

## Work Order Signature Document

**NJPA EZIQC Contract No.: FL04GC2-051716-HBC**

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**New Work Order**

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**Modify an Existing Work Order**

Work Order Number.: 056035.00

Work Order Date: 11/30/2018

Work Order Title: Miami Beach 42nd Street Garage Concrete Repair and Painting

Owner Name: City of Miami Beach

Contractor Name: Harbour Construction. Inc.

Contact: Ramon Duarte

Contact: Guy Lesseur

Phone: 786-367-1102

Phone: 305.603.9944

### Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of NJPA EZIQC Contract No FL04GC2-051716-HBC.

#### Brief Work Order Description:

Exterior and Interior spalling repair, seal, and paint of entire building, Traffic coating on east side of parking garage roof top deck.

#### Time of Performance

Estimated Start Date:

Estimated Completion Date:

#### Liquidated Damages

Will apply: ☐

Will not apply: ☒

**Work Order Firm Fixed Price: \$364,055.55**

Owner Purchase Order Number:

### Approvals

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Date

## Detailed Scope of Work

**To:** Guy Lesseur  
Harbour Construction, Inc.  
7340 SW 48th Street Suite 102  
Miami, FL 33155  
305.603.9944

**From:** Ramon Duarte  
City of Miami Beach  
1700 Convention Center Drive  
Miami Beach, FL 33139  
786-367-1102

**Date Printed:** November 30, 2018

**Work Order Number:** 056035.00

**Work Order Title:** Miami Beach 42nd Street Garage Concrete Repair and Painting

**Brief Scope:** Exterior and Interior spalling repair, seal, and paint of entire building, Traffic coating on east side of parking garage roof top deck.

☐

Preliminary

☐

Revised

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Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Job: 42nd St Parking Garage – East Section Street: 42nd City/State/Zip: Miami Beach, FL 33139 SPECIFICATION Installation (labor, materials & equipment) of a New Garland Waterproofing System (or approved equal) over East Section of Parking Deck (Top Floor) on 42nd St Parking Garage with deck area of approximately 22,000SF, as follows: JOB START a. Prior to starting of work owner shall receive a certificate of insurance from contractor. b. Prior to starting of work, an inspection of the existing roof structure(s) shall be made to record any pre-existing damage. c. All property and landscaping shall be protected to help reduce damage, which may be caused, by the roof replacement operations. d. A pre-construction conference shall be held with the Owner's representative to coordinate this project. e. Owner shall provide access to all sides of the structure(s) for staging, storage and access of trucks, cranes, dumpsters and materials throughout the course of the project. SPECIFICATION Durawalk Vehicular Traffic Coating System: (or approved equal) 1. Remove existing coatings, dirt and debris to a workable surface by grinding or sandblasting; surface must be approved by City representative prior to coating. 2. Power wash deck clean. 3. Repair any concrete spalling areas to horizontal surfaces prior to coating application. 4. Caulk all cracks per joint sealant specification utilizing Garland Tuff Stuff White (or approved equal). Crack/Joints that are 1" wide or more to be treated as concrete repair 5. Install Primer/Sealer at 0.5 gal/sq. over entire deck and flashings. 6. Install Durawalk Vehicular System Base Coat as per specifications at 1.5 gal./sq. Install Durawalk Vehicular Wear Coat at 1.5 gal/sq. Aggregate will be broadcasted into coating at 8-10lbs/square. Once allowed to dry broom away excess aggregate. 7. Install Durawalk Grey Top Coat. At 1 gal/sq. 8. Run flashings up on the wall 3" high only. Install per Base and Top Coat specifications. 9. Stripe new parking lot lanes and spaces with thermal resistance paint (white or yellow). Durawalk Pedestrian (Sidewalks) Traffic Coating System: 1. Remove existing coatings, dirt and debris to a workable surface. 2. Power wash deck clean. 3. Repair any concrete spalling areas to horizontal surfaces prior to coating application. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum). 4. Caulk all horizontal surface joints and cracks per joint sealant specification utilizing Garland Tuff Stuff White. Cracks/Joints that are 1" wide or more to be treated as concrete repair. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum). 5. Install Primer/Sealer at 0.5 gal./sq. over entire area. 6. Install Durawalk Vehicular System Base Coat (or approved equal) at 1.5 gal/sq with aggregate broadcasted into coating at 8-10 lbs/sq. Broom excess. 7. Install Durawalk Grey Top Coat at 1 gal/sq. (or approved equal) 8. Run flashing up on the wall 3" high only. Install per Base and Top Coat specifications. 9. Perimeter curbs will be treated similar to scope of work above, flashing up curb 3" high only. Install per Base and Top Coat specifications. PLEASE NOTE THIS SCOPE IS ALSO INCLUDING TO PROVIDE TURN KEY PROJECT Warranty, delivery and disposal fees are included in the contract cost.

Subject to the terms and conditions of JOC Contract **FL04GC2-051716-HBC**.

Detailed Scope of Work Continues..

Work Order Number: 056035.00  
Work Order Title: Miami Beach 42nd Street Garage Concrete Repair and Painting

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Contractor	Date

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Owner	Date

## Contractor's Price Proposal - Summary

**Date:** November 30, 2018

**Re:** IQC Master Contract #: FL04GC2-051716-HBC  
Work Order #: 056035.00  
Owner PO #:  
Title: Miami Beach 42nd Street Garage Concrete Repair and Painting  
Contractor: Harbour Construction. Inc.  
Proposal Value: \$364,055.55

<b>Concrete Maintenance</b>	<b>\$176,596.20</b>
<b>East Staircase</b>	<b>\$2,135.34</b>
<b>Exterior Painting</b>	<b>\$86,175.02</b>
<b>General Conditions</b>	<b>\$4,206.75</b>
<b>Maintenance</b>	<b>\$46,251.30</b>
<b>Spall Repair</b>	<b>\$12,000.00</b>
<b>Striping</b>	<b>\$2,380.76</b>
<b>Structural Assessment</b>	<b>\$34,310.18</b>
<b>Proposal Total</b>	<b>\$364,055.55</b>

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

**The Percentage of NPP on this Proposal: 62.75%**

# Contractor's Price Proposal - Detail

Date: November 30, 2018

Re: IQC Master Contract #: FL04GC2-051716-HBC  
 Work Order #: 056035.00  
 Owner PO #:  
 Title: Miami Beach 42nd Street Garage Concrete Repair and Painting  
 Contractor: Harbour Construction, Inc.  
 Proposal Value: \$364,055.55

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
<b>Concrete Maintenance</b>					
1	07 00 00 00 0001			400 W 42nd Street Concrete Maintenance-Parking Deck	\$176,596.20
		<b>NPP</b>	Installation	<div>Quantity</div> <div>1.00 x</div> <div>Unit Price</div> <div>148,500.00 x</div> <div>Factor</div> <div>1.1892 =</div> <div>Total</div> <div>176,596.20</div>	
<b>Subtotal for Concrete Maintenance</b>					<b>\$176,596.20</b>
<b>East Staircase</b>					
2	03 35 43 00 0006		SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	\$778.51
			Installation	<div>Quantity</div> <div>1,920.00 x</div> <div>Unit Price</div> <div>0.35 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>778.51</div>	
3	03 35 43 00 0006 0145			For >1,000 To 2,500, Add	\$934.21
			Installation	<div>Quantity</div> <div>1,920.00 x</div> <div>Unit Price</div> <div>0.42 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>934.21</div>	
4	09 91 43 00 0018		SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	\$422.62
			Installation	<div>Quantity</div> <div>1,920.00 x</div> <div>Unit Price</div> <div>0.19 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>422.62</div>	
<b>Subtotal for East Staircase</b>					<b>\$2,135.34</b>
<b>Exterior Painting</b>					
5	09 91 13 00 0006		SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	\$26,914.27
			Installation	<div>Quantity</div> <div>70,400.00 x</div> <div>Unit Price</div> <div>0.33 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>26,914.27</div>	
			Primer		
6	09 91 13 00 0006 0212			For >20,000, Deduct	-\$5,709.09
			Installation	<div>Quantity</div> <div>70,400.00 x</div> <div>Unit Price</div> <div>-0.07 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>-5,709.09</div>	
7	09 91 13 00 0018		SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work	\$48,935.04
			Installation	<div>Quantity</div> <div>70,400.00 x</div> <div>Unit Price</div> <div>0.60 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>48,935.04</div>	
8	09 91 13 00 0018 0212			For >20,000, Deduct	-\$9,787.01
			Installation	<div>Quantity</div> <div>70,400.00 x</div> <div>Unit Price</div> <div>-0.12 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>-9,787.01</div>	
9	09 91 13 00 0476		SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	\$3,545.01
			Installation	<div>Quantity</div> <div>4,500.00 x</div> <div>Unit Price</div> <div>0.68 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>3,545.01</div>	
10	09 91 13 00 0478		SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	\$6,568.70
			Installation	<div>Quantity</div> <div>4,500.00 x</div> <div>Unit Price</div> <div>1.26 x</div> <div>Factor</div> <div>1.1585 =</div> <div>Total</div> <div>6,568.70</div>	

## Contractor's Price Proposal - Detail Continues..

Work Order Number: 056035.00

Work Order Title: Miami Beach 42nd Street Garage Concrete Repair and Painting

### Exterior Painting

11	09 91 43 00 0007	SF	Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation						\$16,311.68
		Installation	Quantity	Unit Price	Factor	=	Total		
			70,400.00 x	0.20 x	1.1585	=	16,311.68		
12	09 91 43 00 0007 0328		For >30,000, Deduct						-\$3,262.34
		Installation	Quantity	Unit Price	Factor	=	Total		
			70,400.00 x	-0.04 x	1.1585	=	-3,262.34		
13	09 91 43 00 0017	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation						\$1,668.24
		Installation	Quantity	Unit Price	Factor	=	Total		
			4,500.00 x	0.32 x	1.1585	=	1,668.24		
14	09 91 43 00 0018	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation						\$990.52
		Installation	Quantity	Unit Price	Factor	=	Total		
			4,500.00 x	0.19 x	1.1585	=	990.52		

### Subtotal for Exterior Painting

**\$86,175.02**

### General Conditions

15	01 22 16 00 0002	EA	Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.						\$1,737.75
		Installation	Quantity	Unit Price	Factor	=	Total		
			1,500.00 x	1.00 x	1.1585	=	1,737.75		
		Permit Fee Allowance							
16	01 55 26 00 0027	MO	28" Cone With Reflective Collar						\$383.70
		Installation	Quantity	Unit Price	Factor	=	Total		
			80.00 x	4.14 x	1.1585	=	383.70		
17	01 55 26 00 0116	EA	Place And Remove >250 Cones By Hand From Roadside						\$2,085.30
		Installation	Quantity	Unit Price	Factor	=	Total		
			2,400.00 x	0.75 x	1.1585	=	2,085.30		

### Subtotal for General Conditions

**\$4,206.75**

### Maintenance

18	07 00 00 00 0002		400 W 42nd St Concrete Maintenance-East Staircase						\$15,412.03
		<b>NPP</b> Installation	Quantity	Unit Price	Factor	=	Total		
			1.00 x	12,960.00 x	1.1892	=	15,412.03		
19	09 91 43 00 0018	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation						\$4,842.53
		Installation	Quantity	Unit Price	Factor	=	Total		
			22,000.00 x	0.19 x	1.1585	=	4,842.53		
20	09 91 43 00 0018 0334		For >15,000 To 30,000, Deduct						-\$764.61
		Installation	Quantity	Unit Price	Factor	=	Total		
			22,000.00 x	-0.03 x	1.1585	=	-764.61		
21	50 00 10 00 0166	SF	Shotblast - Floor Prep						\$26,761.35
		Installation	Quantity	Unit Price	Factor	=	Total		
			22,000.00 x	1.05 x	1.1585	=	26,761.35		

**Work Order Number:** 056035.00  
**Work Order Title:** Miami Beach 42nd Street Garage Concrete Repair and Painting

### Spall Repair

<b>Subtotal for Spall Repair</b>	<b>\$12,000.00</b>
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<b>Subtotal for Striping</b>	<b>\$2,380.76</b>
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<b>Subtotal for Structural Assessment</b>	<b>\$34,310.18</b>
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**\$364,055.55**

**The Percentage of NPP on this Proposal: 62.75%**

## Subcontractor Listing

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**Date:** November 30, 2018

**Re:** IQC Master Contract #: FL04GC2-051716-HBC  
Work Order #: 056035.00  
Owner PO #:  
Title: Miami Beach 42nd Street Garage Concrete Repair and Painting  
Contractor: Harbour Construction. Inc.  
Proposal Value: \$364,055.55

Name of Contractor	Duties	Amount	%
No Subcontractors have been selected for this Work Order		\$0.00	0.00



Job: 42<sup>nd</sup> St Parking Garage – East Section Street:  
42<sup>nd</sup> City/State/Zip: Miami Beach, FL 33139

### **SPECIFICATION**

Installation (labor, materials & equipment) of a New Garland Waterproofing System (or approved equal) over East Section of Parking Deck (Top Floor) on 42<sup>nd</sup> St Parking Garage with deck area of approximately 25,000SF, as follows:

### **JOB START**

- a. Prior to starting of work owner shall receive a certificate of insurance from contractor.
- b. Prior to starting of work, an inspection of the existing roof structure(s) shall be made to record any pre-existing damage.
- c. All property and landscaping shall be protected to help reduce damage, which may be caused, by the roof replacement operations.
- d. A pre-construction conference shall be held with the Owner's representative to coordinate this project.
- e. Owner shall provide access to all sides of the structure(s) for staging, storage and access of trucks, cranes, dumpsters and materials throughout the course of the project.

### **SPECIFICATION**

#### **Durawalk Vehicular Traffic Coating System: (or approved equal)**

1. Remove existing coatings, dirt and debris to a workable surface by grinding or sandblasting; surface must be approved by City representative prior to coating.
2. Power wash deck clean.
3. Repair any concrete spalling areas to horizontal surfaces prior to coating application.
4. Caulk all cracks per joint sealant specification utilizing Garland Tuff Stuff White (or approved equal). Crack/Joints that are 1" wide or more to be treated as concrete repair
5. Install Primer/Sealer at 0.5 gal/sq. over entire deck and flashings.
6. Install Durawalk Vehicular System Base Coat as per specifications at 1.5 gal./sq. Install Durawalk Vehicular Wear Coat at 1.5 gal/sq. Aggregate will be broadcasted into coating at 8-10lbs/square. Once allowed to dry broom away excess aggregate.
7. Install Durawalk Grey Top Coat. At 1 gal/sq.
8. Run flashings up on the wall 3" high only. Install per Base and Top Coat specifications.
9. Stripe new parking lot lanes and spaces with thermal resistance paint (white or yellow).

#### **Durawalk Pedestrian (Sidewalks) Traffic Coating System:**

1. Remove existing coatings, dirt and debris to a workable surface.
2. Power wash deck clean.
3. Repair any concrete spalling areas to horizontal surfaces prior to coating application. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum).
4. Caulk all horizontal surface joints and cracks per joint sealant specification utilizing Garland Tuff Stuff White. Cracks/Joints that are 1" wide or more to be treated as concrete repair. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum).

5. Install Primer/Sealer at 0.5 gal./sq. over entire area.
6. Install Durawalk Vehicular System Base Coat (or approved equal) at 1.5 gal/sq with aggregate broadcasted into coating at 8-10 lbs/sq. Broom excess.
7. Install Durawalk Grey Top Coat at 1 gal/sq. (or approved equal)
8. Run flashing up on the wall 3" high only. Install per Base and Top Coat specifications.
9. Perimeter curbs will be treated similar to scope of work above, flashing up curb 3" high only. Install per Base and Top Coat specifications.

**PLEASE NOTE THIS SCOPE IS ALSO INCLUDING TO PROVIDE TURN KEY PROJECT**

Warranty, delivery and disposal fees are included in the contract cost.



## **DIVISION 9 - FINISHES**

### **Section 09900 Coatings**

#### **Part 1 - General**

##### **1.01 Summary**

- A. This specification describes the coating of substrates with a vapor-barrier, solvent-free, protective, dampproofing, waterproofing, moisture-insensitive, epoxy resin coating.

##### **1.02 Quality Assurance**

- A. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001 certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.
- B. Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful track record of 5 years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
- C. Install materials in accordance with all safety and weather conditions required by manufacturer or as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction. Consult Material Safety Data Sheets for complete handling recommendations.

##### **1.03 Delivery, Storage, and Handling**

- A. All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be removed from the site immediately.
- B. Store all materials off the ground and protect from rain, freezing or excessive heat until ready for use.
- C. Condition the specified product as recommended by the manufacturer.

##### **1.04 Job Conditions**

- A. Environmental Conditions: Do not apply material if it is raining or snowing or if such conditions appear to be imminent. Minimum application temperature 40°F (5°C) and rising.
- B. Protection: Precautions should be taken to avoid damage to any surface near the work zone due to mixing and handling of the specified material.

##### **1.05 Submittals**

- A. Submit two copies of manufacturer's literature, to include: Product Data Sheets and appropriate Material Safety Data Sheets (MSDS).

##### **1.06 Warranty**

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project.

## Part 2 - Products

### 2.01 Manufacturer

- A. **Sikagard 62**, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, Ohio, 43302 is considered to conform to the requirements of this specification.

### 2.02 Materials

- A. Epoxy resin coating:
1. Component A shall be a epoxy resin of diglycidylether of bisphenol A containing suitable viscosity control agents. It shall not contain butyl glycidyl ether.
  2. Component B shall be primarily a reaction product of a selected amine blend with an epoxy resin of the epichlorohydrin bisphenol A type containing suitable viscosity control agents, pigments, and accelerators.
  3. The ratio of Component A: Component B shall be 1:1 by volume
- B. Granules for slip-resistance shall be supplied by the manufacturer of the specified product and shall be able to be mixed into the coating and shall not settle during application.

### 2.03 Performance Criteria

- A. Typical Properties of the mixed epoxy resin coating:
1. Pot Life: 35- 40 minutes (60 gram mass)
  2. Tack FreeTime: Approximately 4 hours
  3. Color: red, grey, tan
  4. Solids: 100% VOC g/l : 134 (A+B)
  5. Immersion & Chemical Exposure: min. Cure 3 Days

Typical Properties of the cured epoxy resin coating:

Water Absorption (ASTM D-570) at 7days: 0.1% max. (2 hour boil), 24 hour immersion

Elongation (ASTM D-522) at 14 days: 5% min.

Abrasion Resistance (ASTM D-968) at 14 days: 51 liters/mil

Adhesion classification (ASTM 3359) at 14 days: 4A.

Abrasion (Taber Abrader) at 7 days: Weight loss: 0.65 gm. max. (H-22 wheel; 1000 gm weight; 1000 cycles)

Tensile Properties (ASTM D-638) at 14 days: Tensile Strength 5,400 psi (37.3 Mpa) / Elongation at Break 2.7%

Bond Strength (ASTM C-882) Hardened Concrete to Hardened Concrete

2 Day (dry cure): 2,000 psi (13.79 MPa)

14 Day (moist cure): 1,500 psi. (10.34 MPa)

8. The coating shall have United States Department of Agriculture approval.

**Note: Tests above were performed with the material and curing conditions @ 71°F – 75°F and 45-55% relative humidity.**

## **Part 3 – Execution**

### **3.01 Surface Preparation**

- A. Substrate must be clean, sound, and free of surface contaminants. Remove dust, laitance, grease, oils, curing compounds, form release agents and all foreign particles by mechanical means. Substrate shall be in accordance with ICRI Guideline No. 03732 for coatings.

### **3.02 Mixing and Application**

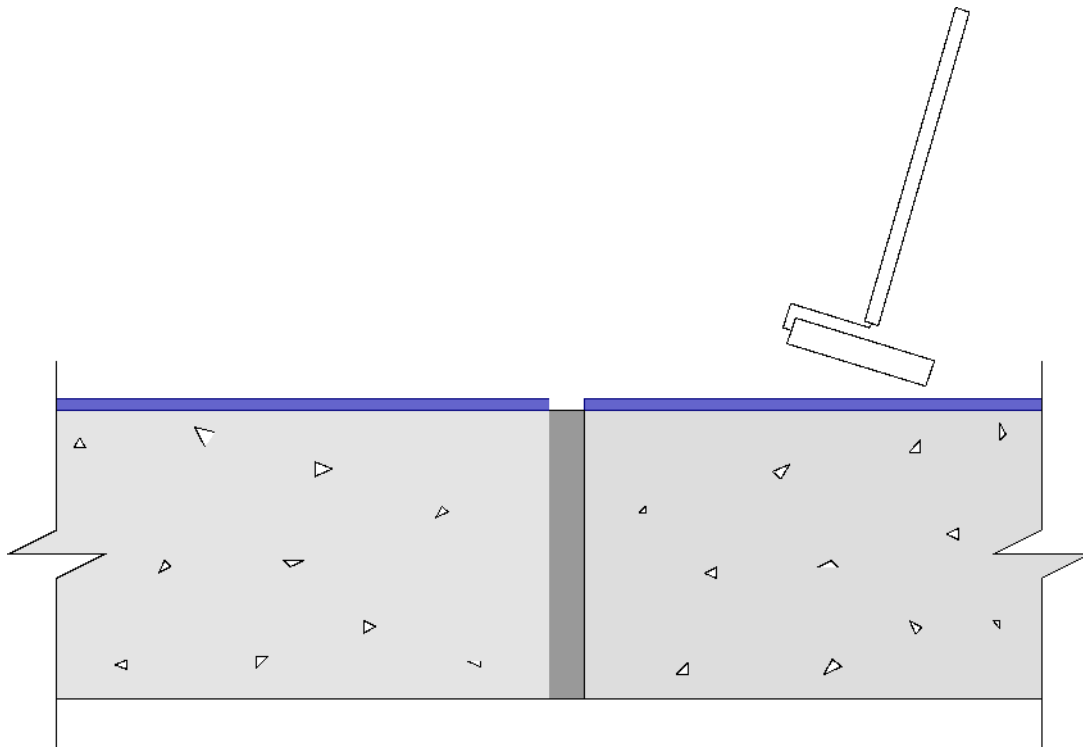
- A. Mixing: Premix each component. Proportion equal parts by volume of Component A and Component B into a clean, dry mixing pail. Mix thoroughly for 3 minutes min. with a jiffy paddle on a low-speed (400-600 rpm) drill. Mix only that quantity of material that can be used within its pot life (35 minutes at 73F). To minimize color difference, blend two complete Components B's together. Use only one of the blended Component B's to mix with a Component A. After the first Component B has been used, blend the second Component B with a new Component B and repeat the above procedure for the entire application.
- B. Placement Procedure: The epoxy resin coating shall be applied only to approved, prepared surfaces with high-quality brushes, rollers, or spray equipment. Coating shall be applied at ambient and substrate temperatures between 50 and 90F. Application thickness shall be between 4-7 mils per coat. Subsequent coats shall be applied within 48 hours of the previous coat. Care is to be taken on vertical and overhead surfaces to avoid sags or runs. If this occurs, it must be sanded out and the area re-coated. If coating of horizontal surfaces that will receive traffic is specified, a slip-resistant aggregate, Sikagard 62 Granules, shall be incorporated into the mixed epoxy resin coating at 1/2 lb./gallon or as directed by the engineer.
- C. When applying the coating, if possible never stop the application until the entire surface has been coated. If possible always discontinue at an edge, corner, or joint. Never let a previously coated film dry. Always coat into wet film. Always apply the coating at a 45° angle to an edge, corner, or joint.
- D. Adhere to all limitations and cautions for the epoxy resin as stated in the manufacturers printed literature.

### **3.03 Cleaning**

- A. The uncured epoxy resin coating can be cleaned from tools with an approved solvent. The cured epoxy resin coating can only be removed mechanically.
- B. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.

# SC-054

# Sikagard 62 Coating



1. Apply Sikagard 62 with high quality brushes or rollers. Care should be taken to avoid sags or runs.
2. When applying the coating, never stop the application until the entire surface has been coated.
3. Subsequent coats shall be applied within 48 hours of the previous coat.
4. For a slip-resistant surface, aggregate shall be incorporated into the mixed epoxy resin coating at a  $\frac{1}{2}$  lb./gal.

Note: When applying Sikagard 62 always end at an edge, corner or joint. Do not apply 62 directly over joint filler.

The preceding specifications are provided by Sika Corporation as a guide for informational purposes only and are not intended to replace sound engineering practice and judgment and should not be relied upon for that purpose. **SIKA CORPORATION MAKES NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS OR THE CONTENTS OF THESE GUIDE SPECIFICATIONS.** Sika Corporation assumes no liability with respect to the provision or use of these guide specifications, nor shall any legal relationship be created by, or arise from, the provision of such specifications **SIKA SHALL NOT BE RESPONSIBLE UNDER ANY LEGAL THEORY TO ANY THIRD PARTY FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING FROM THE USE OF THESE GUIDE SPECIFICATIONS.** The specifier, architect, engineer or design professional or contractor for a particular project bears the sole responsibility for the preparation and approval of the specifications and determining their suitability for a particular project or application.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Material Safety Data Sheet which are available at [www.sikaconstruction.com](http://www.sikaconstruction.com) or by calling (201) 933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product as set forth in the current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.

## Sikalastic® 720 Base

Two-component, fast-curing, solvent-free, crack-bridging, elastomeric polyurethane base coat

<b>Description</b>	Sikalastic® 720 is a two-component, aromatic, chemically cured, elastomeric polyurethane coating intended for use as the waterproofing base coat under polyurethane or epoxy wearing surfaces for pedestrian and vehicular traffic bearing applications, and as the waterproofing base coat under a separate wearing course such as concrete or asphalt pavement, and tile in a setting bed.
<b>Where To Use</b>	<ul style="list-style-type: none"><li>■ Multi-story parking garages.</li><li>■ Parking decks and ramps.</li><li>■ Foot bridges and walkways.</li><li>■ Mechanical rooms.</li><li>■ Stadiums and arena.</li><li>■ Plaza and rooftop decks.</li><li>■ Balconies.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>■ Low odor and fast turnaround.</li><li>■ Excellent crack-bridging properties and flexibility, even at low temperatures.</li><li>■ Resistant to water and de-icing salts.</li><li>■ Alkaline resistant.</li></ul>
<b>Coverage</b>	70 ft <sup>2</sup> /gal. @ 23 wet mils (23 dry mils).
<b>Packaging</b>	20 gal. kit - four 5 gal. pails (net 4 gal. each) Part A and four 1 gal. cans Part B.
<b>Cure Mechanism</b>	Chemical cure.
<b>Chemical Resistance</b>	Resistant to de-icing salts, and alkaline concrete and cementitious mortars/tile adhesives.

### Typical Data (Material and curing conditions at 75°F (24°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	1 year in original, unopened containers.
<b>Storage Conditions</b>	Store dry at 40°-95°F (4°-35°C). Condition material to 65°- 85°F (18°- 30°C) before using.
<b>Color</b>	Gray
<b>Pot Life</b>	10-15 minutes
<b>Total Volume Solids (ASTM D-2697)</b>	100%
<b>VOCs (ASTM D-2369-81)</b>	< 15 g/l
<b>Tensile Strength (ASTM D-412)</b>	2500 +/- 100 psi
<b>Elongation at Break (ASTM D-412)</b>	800 +/- 50%
<b>Tear Resistance (Die C, ASTM D-624)</b>	300 +/- 25 pli
<b>Hardness (ASTM D-2240)</b>	80 +/- 5 Shore A



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## How to Use

### Surface Preparation

Surface must be clean, dry and sound with an open texture. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

**Concrete** - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blast cleaning or equivalent mechanical means (CSP 3-4 per ICRI guidelines).

**Plywood** - Should be clean and smooth, APA and exterior grade, not less than 1/2" thick, and spaced and supported according to APA guidelines. Joints should be sealed with Sikaflex® 2c or 1a and detailed and may need embedded fabric reinforcement.

**Metal** - Should be thoroughly cleaned by grinding or blast cleaning.

#### Priming

Refer to separate primer data sheets for more detailed information.

**Concrete** - For concrete decks with a maximum moisture content of 4% by weight, apply Sikafloor® FTP with a flat squeegee or roller at approximately 300 ft²/gal. For concrete decks with a maximum moisture content of 5% by weight, apply Sikafloor® 1610 with a flat squeegee or roller at approximately 150 ft²/gal. For concrete decks with a maximum moisture content of 6% by weight, apply two applications of Sikafloor® 1610 with a flat squeegee or roller at approximately 150 ft²/gal. per application. Work primer well into the substrate to ensure adequate penetration and sealing, and puddles are avoided.

**Plywood** - Apply Sikafloor® FTP with a flat squeegee or roller at approximately 300 ft²/gal, working primer well into the substrate to ensure adequate penetration and sealing, and puddles are avoided.

**Metal** - Consult Sika regarding primer recommendations.

#### Detailing

**Non-structural cracks up to 1/16"** - Apply a detail coat of Sikalastic® 720 at 23 wet mils, 4" wide, centered over the crack. Allow to become tack free before over coating.

**Cracks and joints over 1/16" up to 1 inch** - Rout and seal with Sikaflex® 2c or 1a sealant and allow to cure. Apply a detail coat of Sikalastic® 720 at 23 wet mils, 4" wide, centered over the crack. Allow to become tack free before over coating.

**Joints over 1 inch** - Should be treated as expansion joints and brought up through the Sikalastic® 720 waterproofing membrane and sealed with Sikaflex® 2c or 1a sealant.

### Mixing

Premix Part A and Part B components using a mechanical mixer (Jiffy) at slow speed to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour part B into Part A slowly and while mixing scrape the side of the container. Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

### Application

Apply at the recommended coverage rate (see appropriate System Guide) using a notched squeegee or trowel, and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and joints. Allow coating to cure a minimum of 3-4 hours at 70°F and 50% RH or until tack free before top coating. Allow coating to cure for a minimum of 36 hours before installing separate wear course.

### Removal

Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

### Limitations

- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 5°F (3°C) above measured dew point temperatures.
- Maximum moisture content of substrate: 4% by weight with Sikafloor® FTP primer, and 6% by weight with Sikafloor® 1610 primer.
- Minimum ambient and substrate temperature during application and curing of material is 40°F (4°C); maximum is 90°F (32°C). Frequent monitoring of ambient and substrate temperature should always be done when applying polyurethane coatings. Note that low temperatures and low humidity will slow down the cure, and high temperatures and high humidity will accelerate it.
- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Do not thin with solvents.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various Sika product solutions). Surface irregularities may reflect through the cured system.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Do not proceed if rain is imminent within 8-12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- On grade, lightweight concrete, asphalt pavement, and applications where chained or studded tires may be used should not be coated with Sikalastic® traffic systems.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation.



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ation and priming with a moisture-blocking primer - contact Sika regarding recommendations.

- Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Sikalastic® 720 is not UV stable and must be top coated or protected by a separate wearing course.
- Primer and base coat must be kept clean and recoated - primer within 48 hours, base coat within 24 hours. If this window is exceeded, contact Sika for recommendations.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.

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Fax: 52 442 2250537

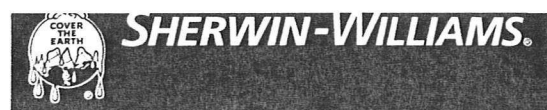


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Job: LA - CHERRY Date: \_\_\_\_\_

Color: \_\_\_\_\_ Finish: \_\_\_\_\_

Color Approved By: \_\_\_\_\_



SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0069820

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
FLAT STANDALONE

42 ST GARAGE-TAN  
CUSTOM MANUAL MATCH

CCE*COLORANT	OZ	32	64	128
B1-Black	-	15	-	-
R2-Maroon	-	1	-	1
Y3-Deep Gold	-	25	-	-

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0090044

INT/EXT ARCHITECTURAL  
PRO INDUSTRIAL ACRYLIC  
SEMI-GLOSS STANDALONE

GREEN  
CUSTOM MANUAL MATCH

CCE*COLORANT	OZ	32	64	128
B1-Black	2	11	1	1
G2-New Green	-	55	1	-
N1-Raw Umber	-	23	1	1
Y3-Deep Gold	-	8	-	1

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0073442

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE

COMP(B001) 2040-40 SUMMER BASK  
CUSTOM 100% FORMULA MATCH

CCE*COLORANT	OZ	32	64	128
L1-Blue	4	39	-	1
N1-Raw Umber	-	16	-	-
Y3-Deep Gold	2	17	1	-

FIVE GALLON EXTRA WHITE  
A80W01151 640413738

STUCCO/MASONRY  
**EXT. WALLS**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0069820-001

ONE GALLON DEEP  
B66W01153 650827249

**Railings & Doors**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0090044-001

ONE GALLON LIGHT YELLOW  
A89Y00156 640411955

**LEVEL #2 Columns**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0073442-001

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0086089

EXTERIOR ARCHITECTURAL  
A-100 LATEX  
SATIN STANDALONE

2073-40 PURPLE HYACINTH  
CUSTOM MANUAL MATCH

CCE*COLORANT	OZ	32	64	128
W1-White	4	42	-	-
L1-Blue	-	18	1	1
R3-Magenta	4	52	-	1
Y1-Yellow	-	15	-	-

ONE GALLON DEEP  
A82W00153 640399739

STUCCO/MASONRY  
**LEVEL #4 Columns**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0086089-001

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0069145

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE

COMP(B001) 2160-30 MAPLE SUGAR  
CUSTOM SHER-COLOR MATCH

CCE*COLORANT	OZ	32	64	128
G2-New Green	-	3	-	-
R2-Maroon	-	9	-	-
Y3-Deep Gold	10	52	-	-

ONE GALLON DEEP  
A89W00153 640392346

**LEVEL #3 Columns**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0069145-001

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0000000

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE

6601 TANAGER  
SHER-COLOR FORMULA

CCE*COLORANT	OZ	32	64	128
R2-Maroon	-	17	1	-
R4-New Red	10	13	1	1
Y3-Deep Gold	-	32	1	-

ONE GALLON ULTRADEEP  
A89T00154 640392379

**LEVEL #1 Columns**

P3 PRIMER RECOMMENDED FOR THIS COLOR

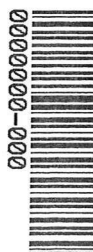
Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0000000-000

Non Returnable Tinted Color  
CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



2

ONE GALLON DEEP  
A87W00153 650046329  
**LEVEL #5 Columns**

CCE*COLORANT	OZ	32	64	128
W1-White	8	39	1	-
L1-Blue	-	47	-	-
R3-Magenta	-	41	-	1

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0000000  
INTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE  
COMP(B001) 2067-50 SUMMER BLUE  
CUSTOM SHER-COLOR MATCH

## Sikalastic® 745 AL

Two-component, aliphatic, fast-curing, solvent-free, traffic bearing wear and top coat

<b>Description</b>	Sikalastic® 745 AL is a two-component, aliphatic, chemically cured, elastomeric polyurethane coating intended for use as the traffic bearing wear and top coat over polyurethane waterproofing membrane for pedestrian and vehicular traffic bearing applications, and as a protective top coat over polyurethane waterproofing membrane under a separate wearing course such as concrete or asphalt pavement, and tile in a setting bed.
<b>Where To Use</b>	<ul style="list-style-type: none"><li>■ Multi-story parking garages.</li><li>■ Parking decks and ramps.</li><li>■ Foot bridges and walkways.</li><li>■ Mechanical rooms.</li><li>■ Stadiums and arena.</li><li>■ Plaza and rooftop decks.</li><li>■ Balconies.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>■ Low odor and fast turnaround.</li><li>■ Excellent crack-bridging properties and flexibility, even at low temperatures.</li><li>■ Resistant to water and de-icing salts.</li><li>■ Alkaline resistant.</li><li>■ Range of standard colors.</li></ul>
<b>Coverage</b>	133 ft <sup>2</sup> /gal. @ 12 wet mils (12 dry mils); 115 ft <sup>2</sup> /gal. @ 14 wet mils (14 dry mils); 90 ft <sup>2</sup> /gal. @ 18 wet mils (18 dry mils).
<b>Packaging</b>	17.6 gal. kit - four 5 gal. pails (net 4 gal. each) Part A and four 1 gal. cans (net 0.4 gal. each) Part B.
<b>Cure Mechanism</b>	Chemical cure.
<b>Chemical Resistance</b>	Resistant to de-icing salts, and alkaline concrete and cementitious mortars/tile adhesives.

### Typical Data (Material and curing conditions at 75°F (24°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	1 year in original, unopened containers.
<b>Storage Conditions</b>	Store dry at 40°- 95°F (4°- 35°C). Condition material to 65°- 85°F (18°- 30°C) before using.
<b>Color</b>	Gray, Charcoal and Tan; custom colors available.
<b>Pot Life</b>	20-30 minutes
<b>Total Volume Solids (ASTM D-2697)</b>	100%
<b>VOCs (ASTM D-2369-81)</b>	73.6 g/l
<b>Tensile Strength (ASTM D-412)</b>	3200 +/- 300 psi
<b>Elongation at Break (ASTM D-412)</b>	450 +/- 45%
<b>Tear Resistance (Die C, ASTM D-624)</b>	300 +/- 30 pli
<b>Hardness (ASTM D-2240)</b>	85 +/- 5 Shore A
<b>UV Resistance and Recovery from Elongation (ASTM C-957)</b>	PASS



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## How to Use

### Surface Preparation

Surface must be clean, dry and sound with an open texture. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

**Sikalastic® 720 Waterproofing Base Coat** - Coating should be cured and tack free.

**Existing Coatings** - Should be cleaned and mechanically abraded to provide a contaminant free, open textured surface. Solvent wipe as allowed by state and local regulations.

### Mixing

Premix Part A and Part B components using a mechanical mixer (Jiffy) at slow speed to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour part B into Part A slowly and while mixing scrape the side of the container, Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

### Application

Apply at the recommended coverage rate (see appropriate System Guide) using a notched squeegee or trowel, and backroll using a phenolic resin core roller. Apply aggregate evenly distributed at the appropriate rate immediately into wet coating and backroll if required (see appropriate System Guide). Allow coating to cure a minimum of 3-4 hours at 70°F and 50% RH or until tack free between coats. Allow coating to cure for a minimum of 36 hours before opening to vehicular traffic or installing separate wear course.

**Aggregate:** Use clean, rounded or semi-angular oven dried quartz sand with a size gradation of 16-30 mesh or 12-20 mesh for vehicular traffic and 20-40 mesh for pedestrian traffic, and a minimum hardness of 6.5 per the Moh's scale. It should be supplied in pre-packaged bags and free of metallic or other impurities. Seeding of aggregate means an even, light broadcast short of refusal. A full broadcast of aggregate means a heavy application to refusal. Any loose aggregate must be removed prior to recoating. Backroll aggregate where indicated.

### Removal

Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

### Limitations

- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 5°F (3°C) above measured dew point temperatures.
- Maximum moisture content of substrate: 4% by weight with Sikalastic® FTP primer, and 6% by weight with Sikalastic® 1610 primer.
- Minimum ambient and substrate temperature during application and curing of material is 40°F (4°C); maximum is 90°F (32°C). Frequent monitoring of ambient and substrate temperature should always be done when applying polyurethane coatings. Note that low temperatures and low humidity will slow down the cure, and high temperatures and high humidity will accelerate it.
- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Do not thin with solvents.
- Use properly graded, oven dried aggregates only.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various Sika product solutions). Surface irregularities may reflect through the cured system.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Do not proceed if rain is imminent within 8-12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- Opening to traffic or installation of separate wearing course prior to final cure may result in loss of aggregate, or permanent staining and subsequent premature failure.
- Vehicle fluids and some high performance tires can stain the coating. Fluid spills should be removed promptly as the coating can in some cases be damaged from prolonged exposure.
- On grade, lightweight concrete, asphalt pavement, and applications where chained or studded tires may be used should not be coated with Sikalastic® traffic systems.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation and priming with a moisture-blocking primer - contact Sika regarding recommendations.
- Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Base coat must be kept clean and recoated within 24 hours for two-component base coat, and 72 hours for single component base coat. If this window is exceeded, contact Sika for recommendations.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.



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For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. SALE OF SIKA PRODUCTS ARE SUBJECT SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING 201-933-8800.

Visit our website at [usa.sika.com](http://usa.sika.com)

**1-800-933-SIKA NATIONWIDE**

**Regional Information and Sales Centers.** For the location of your nearest Sika sales office, contact your regional center.

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**Sika Canada Inc.**  
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Phone: 514-697-2610  
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**Sika Mexicana S.A. de C.V.**  
Carretera Libre Celaya Km. 8.5  
Fracc. Industrial Balvanera  
Corregidora, Queretaro  
C.P. 76920  
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Fax: 52 442 2250537



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# PRODUCT DATA SHEET

## Sikagard® -62

Protective coating with moderate chemical resistance

### PRODUCT DESCRIPTION

Sikagard®-62 is a two-component, solvent-free, high build coloured protective coating based on epoxy resins. It produces a damp-proofing and vapour-proofing system. Cured Sikagard®-62 provides a hard, glossy coat with high resistance to abrasion and chemical attack.

### USES

- As an abrasion-resistant universal coating material designed for normal to moderately aggressive chemical environments. Sikagard®-62 is suitable for use on concrete stone, cementitious mortars and screed, epoxy cements (EpoCem), asbestos cement, epoxy mortars, iron and steel
- As anti-corrosion coating in food-processing plants, sewage works, farms and agricultural enterprises, chemical and pharmaceutical plants, beverage industries and bottling plants.
- Also used as part of glass fibre-reinforcement self-supporting linings with crack-bridging properties on bund areas and storage tanks.

### CHARACTERISTICS / ADVANTAGES

- Solvent free
- Excellent chemical resistance
- High abrasion resistance
- Protective and decorative
- Vapour proof
- Cures without shrinkage
- Safe to use in contact with foodstuff and potable water
- Excellent adhesion to most building materials
- Can be applied by brush and roller or airless spray
- Forms a smooth, even coating
- Protective lining

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**TESTS****APPROVAL / STANDARDS**

- approved to British Standards for Contact with Potable Water by WRAS.
- 

**PRODUCT DATA****FORM****COLOURS**

Light grey, light green and white. Other colour shades on request.

Under sun radiation it may come to discolouration and colour deviation; this has no influence to the function of the coating.

**PACKAGING**

Part A: 3.75 kg containers

Part B: 1.25 kg containers

Part A+B: 5.0 kg ready to mix units

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**STORAGE****STORAGE CONDITIONS / SHELF-LIFE**

24 months from date of production if stored properly in undamaged and unopened original sealed packaging in cool dry conditions. Protect from direct sunlight and frost.

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**TECHNICAL DATA****CHEMICAL BASE**

Epoxy resin

**DENSITY**

Mixed resin : approx. 1.35 kg/litre (20°C, 50 % rh)

**VISCOSITY**

Comp. A : thixotropic

Comp. B : approx. 1150 mPas (20°C, 50 % rh)

**VOC DATA**

VOC content (ready to use) not exceeding 200gm/litre [ Type of regulate paint under the Air Pollution Control (volatile organic compounds). ]

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**MECHANICAL /  
PHYSICAL PROPERTIES**

**TEMPERATURE RESISTANCE (WITHOUT CHEMICAL OR MECHANICAL ACTION)**

Permanent maximum : dry 70°C  
wet 60°C

**THERMAL EXPANSION COEFFICIENT**

Approx.  $7.5 \times 10^{-5}$  [ $\alpha = \text{m/m/}^\circ\text{C}$ ] (temperature range: -20 °C to +40 °C)

**COEFFICIENT OF THERMAL EXPANSION (-10°C to +40°C)**

Approx.  $7.5 \times 10^{-5} \text{mm/m/}^\circ\text{C}$

**WATER VAPOUR DIFFUSION COEFFICIENT ( $\mu\text{H}_2\text{O}$ )**

Approx. 100,000

**MECHANICAL STRENGTHS(7 days)**

Tensile Strength : approx. 25MPa  
Compressive strength : approx. 50MPa  
Flexural tensile strength : approx. 50MPa  
E-modulus (dynamic) : approx.  $30\text{-}40 \cdot 10^2 \text{MPa}$

**ADHESIVE STRENGTH**

(According to DIN 53232)

Substrate :

Dry Concrete : approx. 3.4 MPa

Steel (sandblasted) : approx. 25 MPa

Minimum thickness of coating for effective anti-corrosion protection:

0.6 mm dft (at least 2 coats, on mineral substrates no pinholes of air bubbles).

**ELONGATION AT BREAK**

Approx. 2.7%

**ABRASION (TABER ABRADER) (7 days)**

(According to ASTM D-1044)

Weight loss, 1,000 cycles

(H-22 wheel, 1,000 gm weight) 0.61gm

## CHEMICAL RESISTANCE

Test Medium	Test Temp C°	1 day	7 days	30 days	60 days	180 days	360 days
Acetone	20°C	A	C	-	-	-	-
Acrylonitrile	20°C	A	A	A	A	A	A
Acetic ester (concentrated)	20°C	A	B	C	-	-	-
Acetic ester 20 %	20°C	A	A	A	A	AD	C
	40°C	A	A	A	AD	C	-
Ammoniac 10%	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	AD
Caustic soda 30 % (NaOH)	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
Cement water (saturated) (Ca(OH) <sub>2</sub> )	20°C	A	A	A	A	A	AD
	40°C	A	A	A	A	A	BD
Citric acid 20%	20°C	A	A	A	A	AD	AD
	40°C	A	A	A	AD	AD	AD
Detergents	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	AD	AD
Distilled water	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	AD
	60°C	A	A	A	BD	BD	BD
Ethanol	20°C	A	A	A	B	C	-
	40°C	A	B	C	-	-	-
Ethanol/water 60:40	20°C	A	A	A	A	A	A
Formic acid 10 %	20°C	A	A	A	A	A	B
Fuel oil (EMPA)	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
	60°C	A	A	A	A	A	A
Hydraulic fluids (e.g. "Arcosafe", "Skydrol")	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	B	C
Hydrochloric acid (saturated) (HCl)	20°C	A	AD	AD	AD	AD	AD
	40°C	AD	AD	AD	BD	C	-
Hydrogen peroxide 5% (H <sub>2</sub> O <sub>2</sub> )	20°C	A	A	A	A	B	B
Iron-III-chloride solution (Fe Cl <sub>3</sub> ) 35%	20°C	A	A	AD	AD	AD	AD
	40°C	A	A	AD	AD	AD	AD
Iron-II-sulphate solution (Fe Cl <sub>4</sub> ) 35%	20°C	A	AD	AD	AD	AD	AD
	40°C	A	AD	AD	AD	AD	AD
Javelle water 14% (Cl <sub>2</sub> )	20°C	A	A	AD	BD	BD	C
Kerosene	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A

Lactic acid 20%	20°C	A	A	A	AD	BD	C
	40°C	A	A	AD	C	-	-
Liquid silage	20°C	A	A	A	AD	AD	AD
	40°C	A	A	AD	BD	BD	BD
Liquid manure	20°C	A	A	A	A	A	A
	40°C	A	A	A	AD	AD	AD
Methyl ethyl ketone MEK	20°C	A	C	-	-	-	-
Nitric acid 20% (HNO <sub>3</sub> )	20°C	AD	AD	AD	C	-	-
	40°C	AD	AD	C	-	-	-
Oxalic acid 10% (H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> )	20°C	A	A	AD	AD	BD	C
	40°C	AD	AD	BD	C	-	-
Potassium permanganat 10% (KMnO <sub>4</sub> )	20°C	A	A	B	C	-	-
Phosphoric acid 40% (H <sub>3</sub> PO <sub>4</sub> )	20°C	A	AD	AD	BD	BD	C
	40°C	AD	AD	BD	C	-	-
Red/white Wine	20°C	A	A	A	A	A	A
Sodium chloride solution (saturated) (NaCl)	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
Soda solution (saturated) (Na <sub>2</sub> CO <sub>3</sub> )	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
Sulphuric acid 50% (H <sub>2</sub> SO <sub>4</sub> )	20°C	AD	AD	AD	AD	AD	AD
	40°C	AD	AD	AD	AD	AD	AD
Sulphurous acid 5% (H <sub>2</sub> SO <sub>3</sub> )	20°C	A	A	AD	AD	AD	BD
	40°C	A	AD	AD	AD	AD	BD
Styrene	20°C	A	A	A	A	A	B
Tartaric acid 20%	20°C	A	A	A	A	A	A
Toluene	20°C	A	A	B	B	B	B
	40°C	A	A	B	B	B	C
Trichloroethylene	20°C	A	B	C	-	-	-
Water	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
	60°C	A	A	A	B	B	B

For information about resistance to other media, please contact our Technical Services Department.

A= resistance to prolonged contact, B= temporarily resistant, C= break down of coating, D= resistant, but discoloration of coating.

## SYSTEM INFORMATION

### APPLICATION DETAILS

### SYSTEM STRUCTURES

Roller coating:

Primer: 1 x Sikagard® -62

Coating: 2-3 x Sikagard® -62

Glass fabric reinforced system:

Primer: 1 x Sikagard® -62

Coating: 1 x Sikagard® -62 imbedding of glass fabric  
2-3 x Sikagard® -62

### CONSUMPTION / COVERAGE

Coating System	Product	Consumption
Roller coating		
Priming	Sikagard® -62	0.3 – 0.5 kg/m <sup>2</sup>
Roller coating	Sikagard® -62	0.4- 1.0 kg/m <sup>2</sup> , per coat, depending on substrate condition and coating thickness required
Glass fabric reinforced system		
Priming	Sikagard® -62	0.3 – 0.5 kg/m <sup>2</sup>
1 <sup>st</sup> coat	Sikagard® -62	0.8 – 1.0 kg/m <sup>2</sup>
Imbedding	Glass fabric	Approx.0.3 kg/m <sup>2</sup>
2 <sup>nd</sup> coat	Sikagard® -62	0.5 – 0.8 kg/m <sup>2</sup>
3 <sup>rd</sup> coat	Sikagard® -62	0.3 – 0.5 kg/m <sup>2</sup>

Note: For a theoretical dry film thickness of 100 microns (0.1 mm) approx. 0.14 kg/m<sup>2</sup>. These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.

### SURFACE PREPARATION

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 MPa) with a minimum pull off strength of 1.5 MPa. The substrate must be clean, dry and free from oil, grease, loose and friable particles. Very smooth surfaces, insufficient layers and oily contaminations must be removed mechanically (e.g. by blast cleaning or grinding). Then thoroughly cleaned to remove all dust. A sealer/levelling coat of Sikagard® -720 EpoCem or Sikafloor® -81/82 EpoCem should then be applied, after first making good any major surface defects. Steel and iron surfaces must be sandblasted (SA 2½).

Cementitious materials other than EpoCem should be at least 4 weeks old.

### SUBSTRATE MOISTURE CONTENT

≤4% moisture content. Test method: Sika®-Tramex or CM.

No rising moisture according to **ASTM** (Polyethylene-sheet)

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## PREPARATION OF MATERIAL

Both components are packed separately. Prior to mixing, stir Part A mechanically and add entire contents to Component A, using a paintbrush or spatula to scrape out residue. Mix thoroughly with an electric stirrer at low speed (~ 300 rpm), taking care to entrain as little air as possible. Leave mixture to stand for approximately 3 minutes before applying.

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## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Sikagard®-62 may be applied with a paintbrush, nylon roller, spatula or airless spray equipment.

### SUBSTRATE TEMPERATURE

+8°C min (but at least 3°C above the dew point)  
+30°C max.

### AMBIENT TEMPERATURE

+8°C min (but at least 3°C above the dew point)  
+30°C max.

### RELATIVE AIR HUMIDITY

85% r.h. max. (incl. over night).

**Beware of condensation !**

### POTLIFE

Max. open times

Temperatures	Time
+5°C	~90 minutes
+10°C	~30 minutes
+20°C	~20 minutes
+30°C	~10 minutes

### WAITING TIME / OVERCOATING

Before applying Sikagard®-62 - on Sikagard®-62 allow:

Substrate temperature	Minimum	Maximum
+10°C	30 hours	3 days
+20°C	10 hours	2 days
+30°C	6 hours	1 day

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Waiting time between coats should not exceed 48 hours. Otherwise surface must be ground before recoating.

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## CURING TIME

Temperature	Foot Traffic	Light Traffic	Full cure
+10°C.	~2 days	~5 days	~14 days
+20°C.	~1 days	~4 days	~10 days
+30°C.	~18 hours	~2 days	~5 days

Note: Times are approximate and will be affected by changing ambient conditions.

## CLEANING OF TOOLS

Clean all tools and equipment immediately after use with Thinner C. Once hardened, the material can only be removed mechanically.

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## NOTES ON APPLICATION / LIMITATIONS

Products in a liquid or uncured state may contaminate groundwater and should be prevented from entering drains or water courses.

Empty containers may contain hazardous residues. Product remnants should be removed and disposed of in accordance with local regulations.

Do not apply Sikagard® -62 to cementitious mortars that are modified with acrylic, acrylic co-polymer, EVA OR PVA polymer (e.g. SikaTops) because under certain environmental conditions hardened mortar or render may swell slightly and crack the rigid epoxy coating.

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## VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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**HEALTH AND SAFETY  
INFORMATION**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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**LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. **Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.**

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**FOR MORE PRODUCT NAME® INFORMATION:****SIKA HONGKONG LTD**

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6 On Ping Street,  
Shatin, N.T. Hong Kong  
[www.sika.com.hk](http://www.sika.com.hk)

**Contact Details**

Phone: + 852 2686 8108  
Fax: +852 2645 3671  
Mail: [marketing@hk.sika.com](mailto:marketing@hk.sika.com)

**Product Data Sheet**

Sikagard® -62  
Apr. 2018, VERSION 7

BONANZA PAINTING LLC  
8980 SW 21<sup>st</sup> Street  
Miami, FL 33165  
(786) 712-6212

**Harbour Construction**  
**attn: Guy Lesseur**  
**(305) 603-9944**  
**7340 SW 48 St #102,**  
**Miami, FL 33155**

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**400 West 42<sup>nd</sup> St - Miami Beach Parking Garage**

**5/24/2018**

<i>Qty</i>	<i>Scope</i>	<i>Notes</i>	<i>Price</i>
Top Deck	Pressure wash top floor concrete deck Remove traffic and parking striping Remove existing sealant from top floor expansion joint areas. Install the Sikaflex SL polyurethane sealant system and new backer rod to expansion joint areas. Install Sikalastic 720/745 polyurethane coating system to concrete deck.		182,350
West Stairway	Pressure wash top floor concrete deck Remove traffic and parking striping Remove existing sealant from top floor expansion joint areas. Install the Sikaflex SL polyurethane sealant system and new backer rod to expansion joint areas. Install Sikalastic 720/745 polyurethane coating system to concrete deck.		14,220

Labor and Material is included.

7 Year labor and material warranty

**Contract Amount**

**Previously Paid**

**Total \$196,570**



# The O.J. Painting & Waterproofing Company

8571 SW 27<sup>th</sup> Ter, Miami, FL 33155 | (305) 934-3074 | [OJPainting@bellsouth.net](mailto:OJPainting@bellsouth.net) | 99BS00197

## PROPOSAL

<b>Name</b>	Harbour Construction	<b>Date</b>	5/16/2018
<b>Address</b>	7340 SW 48 <sup>th</sup> St, Suite 102, Miami, FL 33155	<b>Job</b>	400 W 32 <sup>nd</sup> St Parking Garage
<b>Phone</b>	(305) 603-9944	<b>Name</b>	Deck
<b>Fax</b>	(305) 603-9437	<b>Trade</b>	Waterproofing
		<b>Contact</b>	

We hereby submit specifications and estimates for: waterproofing of concrete deck. The job will be in accordance to the specifications given, and will consist of the following:

- Remove existing sealants at expansion joints.
- Apply new Sikaflex SL (with backer rod) to expansion joints.
- Apply the Sikalastic 720/45 polyurethane coating system to deck surface.
- Note: Excludes re-stripping of parking spots and traffic markings.
- **Top Deck: (Sikalastic 720/745)**
- Area: 25,000 Sq. Ft. (\$6.75/Sq Ft)
- Price: \$168,750.00
- **West Stairway: (Sikagard 62)**
- Area: 1,920 Sq. Ft. (\$6.75/Sq Ft)
- Price: \$12,960.00

Note: Exterior painting work comes with a 7 year warranty.

We hereby propose to furnish labor and materials- complete in accordance with the above specifications, for the sums specified above. Payments are to be made in draws as the job is completed.

## ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above:

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Signature

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Date

## Detailed Scope of Work

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**To:** Guy Lesseur  
Harbour Construction. Inc.  
7340 SW 48th Street Suite 102  
Miami, FL 33155  
305.603.9944

**From:** Anthony Monti  
The Gordian Group  
140 Bridges Road Suite E  
Mauldin, SC 29662  
(800) 874-2291

**Print Date:** November 30, 2018

**Work Order Number:** 056035.00

**Work Order Title:** Miami Beach 42nd Street Garage Concrete Repair and Painting

**Brief Scope:** Exterior and Interior spalling repair, seal, and paint of entire building, Traffic coating on east side of parking garage roof top deck.

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

### Detailed Scope:

Job: 42nd St Parking Garage – East Section Street: 42nd City/State/Zip: Miami Beach, FL 33139 SPECIFICATION Installation (labor, materials & equipment) of a New Garland Waterproofing System (or approved equal) over East Section of Parking Deck (Top Floor) on 42nd St Parking Garage with deck area of approximately 22,000SF, as follows: JOB START a. Prior to starting of work owner shall receive a certificate of insurance from contractor. b. Prior to starting of work, an inspection of the existing roof structure(s) shall be made to record any pre-existing damage. c. All property and landscaping shall be protected to help reduce damage, which may be caused, by the roof replacement operations. d. A pre-construction conference shall be held with the Owner's representative to coordinate this project. e. Owner shall provide access to all sides of the structure(s) for staging, storage and access of trucks, cranes, dumpsters and materials throughout the course of the project. SPECIFICATION Durawalk Vehicular Traffic Coating System: (or approved equal) 1. Remove existing coatings, dirt and debris to a workable surface by grinding or sandblasting; surface must be approved by City representative prior to coating. 2. Power wash deck clean. 3. Repair any concrete spalling areas to horizontal surfaces prior to coating application. 4. Caulk all cracks per joint sealant specification utilizing Garland Tuff Stuff White (or approved equal). Crack/Joints that are 1" wide or more to be treated as concrete repair 5. Install Primer/Sealer at 0.5 gal/sq. over entire deck and flashings. 6. Install Durawalk Vehicular System Base Coat as per specifications at 1.5 gal./sq. Install Durawalk Vehicular Wear Coat at 1.5 gal/sq. Aggregate will be broadcasted into coating at 8-10lbs/square. Once allowed to dry broom away excess aggregate. 7. Install Durawalk Grey Top Coat. At 1 gal/sq. 8. Run flashings up on the wall 3" high only. Install per Base and Top Coat specifications. 9. Stripe new parking lot lanes and spaces with thermal resistance paint (white or yellow). Durawalk Pedestrian (Sidewalks) Traffic Coating System: 1. Remove existing coatings, dirt and debris to a workable surface. 2. Power wash deck clean. 3. Repair any concrete spalling areas to horizontal surfaces prior to coating application. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum). 4. Caulk all horizontal surface joints and cracks per joint sealant specification utilizing Garland Tuff Stuff White. Cracks/Joints that are 1" wide or more to be treated as concrete repair. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum). 5. Install Primer/Sealer at 0.5 gal./sq. over entire area. 6. Install Durawalk Vehicular System Base Coat (or approved equal) at 1.5 gal/sq with aggregate broadcasted into coating at 8-10 lbs/sq. Broom excess. 7. Install Durawalk Grey Top Coat at 1 gal/sq. (or approved equal) 8. Run flashing up on the wall 3" high only. Install per Base and Top Coat specifications. 9. Perimeter curbs will be treated similar to scope of work above, flashing up curb 3" high only. Install per Base and Top Coat specifications. PLEASE NOTE THIS SCOPE IS ALSO INCLUDING TO PROVIDE TURN KEY PROJECT Warranty, delivery and disposal fees are included in the contract cost.

Subject to the terms and conditions of JOC Contract **FL04GC2-051716-HBC**.

## Detailed Scope of Work Continues...

**Work Order Number:** 056035.00

**Work Order Title:** Miami Beach 42nd Street Garage Concrete Repair and Painting

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Anthony Monti

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Date

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Guy Lesseur

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Date

Job: 42<sup>nd</sup> St Parking Garage – East Section Street:  
42<sup>nd</sup> City/State/Zip: Miami Beach, FL 33139

### **SPECIFICATION**

Installation (labor, materials & equipment) of a New Garland Waterproofing System (or approved equal) over East Section of Parking Deck (Top Floor) on 42<sup>nd</sup> St Parking Garage with deck area of approximately 25,000SF, as follows:

### **JOB START**

- a. Prior to starting of work owner shall receive a certificate of insurance from contractor.
- b. Prior to starting of work, an inspection of the existing roof structure(s) shall be made to record any pre-existing damage.
- c. All property and landscaping shall be protected to help reduce damage, which may be caused, by the roof replacement operations.
- d. A pre-construction conference shall be held with the Owner's representative to coordinate this project.
- e. Owner shall provide access to all sides of the structure(s) for staging, storage and access of trucks, cranes, dumpsters and materials throughout the course of the project.

### **SPECIFICATION**

#### **Durawalk Vehicular Traffic Coating System: (or approved equal)**

1. Remove existing coatings, dirt and debris to a workable surface by grinding or sandblasting; surface must be approved by City representative prior to coating.
2. Power wash deck clean.
3. Repair any concrete spalling areas to horizontal surfaces prior to coating application.
4. Caulk all cracks per joint sealant specification utilizing Garland Tuff Stuff White (or approved equal). Crack/Joints that are 1" wide or more to be treated as concrete repair
5. Install Primer/Sealer at 0.5 gal/sq. over entire deck and flashings.
6. Install Durawalk Vehicular System Base Coat as per specifications at 1.5 gal./sq. Install Durawalk Vehicular Wear Coat at 1.5 gal/sq. Aggregate will be broadcasted into coating at 8-10lbs/square. Once allowed to dry broom away excess aggregate.
7. Install Durawalk Grey Top Coat. At 1 gal/sq.
8. Run flashings up on the wall 3" high only. Install per Base and Top Coat specifications.
9. Stripe new parking lot lanes and spaces with thermal resistance paint (white or yellow).

#### **Durawalk Pedestrian (Sidewalks) Traffic Coating System:**

1. Remove existing coatings, dirt and debris to a workable surface.
2. Power wash deck clean.
3. Repair any concrete spalling areas to horizontal surfaces prior to coating application. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum).
4. Caulk all horizontal surface joints and cracks per joint sealant specification utilizing Garland Tuff Stuff White. Cracks/Joints that are 1" wide or more to be treated as concrete repair. Any concrete repairs are to be charged at additional cost of \$60.00 per SF (2" deep maximum).

5. Install Primer/Sealer at 0.5 gal./sq. over entire area.
6. Install Durawalk Vehicular System Base Coat (or approved equal) at 1.5 gal/sq with aggregate broadcasted into coating at 8-10 lbs/sq. Broom excess.
7. Install Durawalk Grey Top Coat at 1 gal/sq. (or approved equal)
8. Run flashing up on the wall 3" high only. Install per Base and Top Coat specifications.
9. Perimeter curbs will be treated similar to scope of work above, flashing up curb 3" high only. Install per Base and Top Coat specifications.

**PLEASE NOTE THIS SCOPE IS ALSO INCLUDING TO PROVIDE TURN KEY PROJECT**

Warranty, delivery and disposal fees are included in the contract cost.



## **DIVISION 9 - FINISHES**

### **Section 09900 Coatings**

#### **Part 1 - General**

##### **1.01 Summary**

- A. This specification describes the coating of substrates with a vapor-barrier, solvent-free, protective, dampproofing, waterproofing, moisture-insensitive, epoxy resin coating.

##### **1.02 Quality Assurance**

- A. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001 certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.
- B. Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful track record of 5 years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
- C. Install materials in accordance with all safety and weather conditions required by manufacturer or as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction. Consult Material Safety Data Sheets for complete handling recommendations.

##### **1.03 Delivery, Storage, and Handling**

- A. All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be removed from the site immediately.
- B. Store all materials off the ground and protect from rain, freezing or excessive heat until ready for use.
- C. Condition the specified product as recommended by the manufacturer.

##### **1.04 Job Conditions**

- A. Environmental Conditions: Do not apply material if it is raining or snowing or if such conditions appear to be imminent. Minimum application temperature 40°F (5°C) and rising.
- B. Protection: Precautions should be taken to avoid damage to any surface near the work zone due to mixing and handling of the specified material.

##### **1.05 Submittals**

- A. Submit two copies of manufacturer's literature, to include: Product Data Sheets and appropriate Material Safety Data Sheets (MSDS).

##### **1.06 Warranty**

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project.

## Part 2 - Products

### 2.01 Manufacturer

- A. **Sikagard 62**, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, Ohio, 43302 is considered to conform to the requirements of this specification.

### 2.02 Materials

- A. Epoxy resin coating:
1. Component A shall be a epoxy resin of diglycidylether of bisphenol A containing suitable viscosity control agents. It shall not contain butyl glycidyl ether.
  2. Component B shall be primarily a reaction product of a selected amine blend with an epoxy resin of the epichlorohydrin bisphenol A type containing suitable viscosity control agents, pigments, and accelerators.
  3. The ratio of Component A: Component B shall be 1:1 by volume
- B. Granules for slip-resistance shall be supplied by the manufacturer of the specified product and shall be able to be mixed into the coating and shall not settle during application.

### 2.03 Performance Criteria

- A. Typical Properties of the mixed epoxy resin coating:
1. Pot Life: 35- 40 minutes (60 gram mass)
  2. Tack FreeTime: Approximately 4 hours
  3. Color: red, grey, tan
  4. Solids: 100% VOC g/l : 134 (A+B)
  5. Immersion & Chemical Exposure: min. Cure 3 Days

Typical Properties of the cured epoxy resin coating:

Water Absorption (ASTM D-570) at 7days: 0.1% max. (2 hour boil), 24 hour immersion

Elongation (ASTM D-522) at 14 days: 5% min.

Abrasion Resistance (ASTM D-968) at 14 days: 51 liters/mil

Adhesion classification (ASTM 3359) at 14 days: 4A.

Abrasion (Taber Abrader) at 7 days: Weight loss: 0.65 gm. max. (H-22 wheel; 1000 gm weight; 1000 cycles)

Tensile Properties (ASTM D-638) at 14 days: Tensile Strength 5,400 psi (37.3 Mpa) / Elongation at Break 2.7%

Bond Strength (ASTM C-882) Hardened Concrete to Hardened Concrete

2 Day (dry cure): 2,000 psi (13.79 MPa)

14 Day (moist cure): 1,500 psi. (10.34 MPa)

8. The coating shall have United States Department of Agriculture approval.

**Note: Tests above were performed with the material and curing conditions @ 71°F – 75°F and 45-55% relative humidity.**

## **Part 3 – Execution**

### **3.01 Surface Preparation**

- A. Substrate must be clean, sound, and free of surface contaminants. Remove dust, laitance, grease, oils, curing compounds, form release agents and all foreign particles by mechanical means. Substrate shall be in accordance with ICRI Guideline No. 03732 for coatings.

### **3.02 Mixing and Application**

- A. Mixing: Premix each component. Proportion equal parts by volume of Component A and Component B into a clean, dry mixing pail. Mix thoroughly for 3 minutes min. with a jiffy paddle on a low-speed (400-600 rpm) drill. Mix only that quantity of material that can be used within its pot life (35 minutes at 73F). To minimize color difference, blend two complete Components B's together. Use only one of the blended Component B's to mix with a Component A. After the first Component B has been used, blend the second Component B with a new Component B and repeat the above procedure for the entire application.
- B. Placement Procedure: The epoxy resin coating shall be applied only to approved, prepared surfaces with high-quality brushes, rollers, or spray equipment. Coating shall be applied at ambient and substrate temperatures between 50 and 90F. Application thickness shall be between 4-7 mils per coat. Subsequent coats shall be applied within 48 hours of the previous coat. Care is to be taken on vertical and overhead surfaces to avoid sags or runs. If this occurs, it must be sanded out and the area re-coated. If coating of horizontal surfaces that will receive traffic is specified, a slip-resistant aggregate, Sikagard 62 Granules, shall be incorporated into the mixed epoxy resin coating at 1/2 lb./gallon or as directed by the engineer.
- C. When applying the coating, if possible never stop the application until the entire surface has been coated. If possible always discontinue at an edge, corner, or joint. Never let a previously coated film dry. Always coat into wet film. Always apply the coating at a 45° angle to an edge, corner, or joint.
- D. Adhere to all limitations and cautions for the epoxy resin as stated in the manufacturers printed literature.

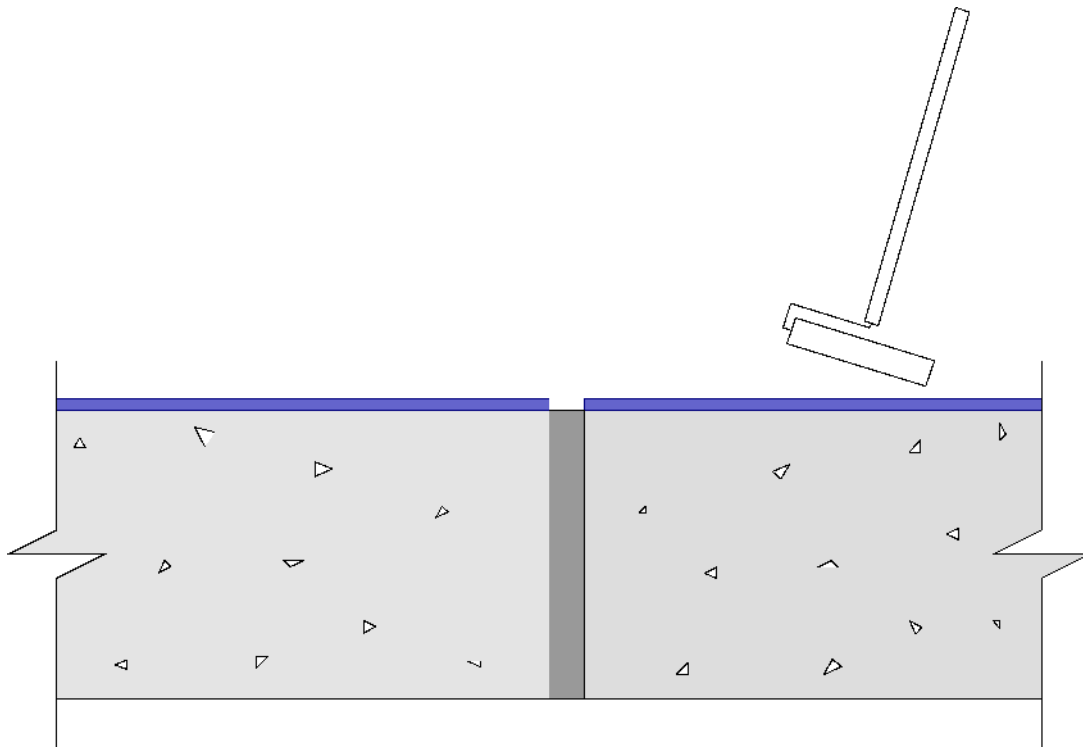
### **3.03 Cleaning**

- A. The uncured epoxy resin coating can be cleaned from tools with an approved solvent. The cured epoxy resin coating can only be removed mechanically.
- B. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.



# SC-054

# Sikagard 62 Coating



1. Apply Sikagard 62 with high quality brushes or rollers. Care should be taken to avoid sags or runs.
2. When applying the coating, never stop the application until the entire surface has been coated.
3. Subsequent coats shall be applied within 48 hours of the previous coat.
4. For a slip-resistant surface, aggregate shall be incorporated into the mixed epoxy resin coating at a  $\frac{1}{2}$  lb./gal.

Note: When applying Sikagard 62 always end at an edge, corner or joint. Do not apply 62 directly over joint filler.

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## Sikalastic® 720 Base

Two-component, fast-curing, solvent-free, crack-bridging, elastomeric polyurethane base coat

<b>Description</b>	Sikalastic® 720 is a two-component, aromatic, chemically cured, elastomeric polyurethane coating intended for use as the waterproofing base coat under polyurethane or epoxy wearing surfaces for pedestrian and vehicular traffic bearing applications, and as the waterproofing base coat under a separate wearing course such as concrete or asphalt pavement, and tile in a setting bed.
<b>Where To Use</b>	<ul style="list-style-type: none"><li>■ Multi-story parking garages.</li><li>■ Parking decks and ramps.</li><li>■ Foot bridges and walkways.</li><li>■ Mechanical rooms.</li><li>■ Stadiums and arena.</li><li>■ Plaza and rooftop decks.</li><li>■ Balconies.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>■ Low odor and fast turnaround.</li><li>■ Excellent crack-bridging properties and flexibility, even at low temperatures.</li><li>■ Resistant to water and de-icing salts.</li><li>■ Alkaline resistant.</li></ul>
<b>Coverage</b>	70 ft <sup>2</sup> /gal. @ 23 wet mils (23 dry mils).
<b>Packaging</b>	20 gal. kit - four 5 gal. pails (net 4 gal. each) Part A and four 1 gal. cans Part B.
<b>Cure Mechanism</b>	Chemical cure.
<b>Chemical Resistance</b>	Resistant to de-icing salts, and alkaline concrete and cementitious mortars/tile adhesives.

### Typical Data (Material and curing conditions at 75°F (24°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	1 year in original, unopened containers.
<b>Storage Conditions</b>	Store dry at 40°-95°F (4°-35°C). Condition material to 65°- 85°F (18°- 30°C) before using.
<b>Color</b>	Gray
<b>Pot Life</b>	10-15 minutes
<b>Total Volume Solids (ASTM D-2697)</b>	100%
<b>VOCs (ASTM D-2369-81)</b>	< 15 g/l
<b>Tensile Strength (ASTM D-412)</b>	2500 +/- 100 psi
<b>Elongation at Break (ASTM D-412)</b>	800 +/- 50%
<b>Tear Resistance (Die C, ASTM D-624)</b>	300 +/- 25 pli
<b>Hardness (ASTM D-2240)</b>	80 +/- 5 Shore A



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## How to Use

### Surface Preparation

Surface must be clean, dry and sound with an open texture. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

**Concrete** - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blast cleaning or equivalent mechanical means (CSP 3-4 per ICRI guidelines).

**Plywood** - Should be clean and smooth, APA and exterior grade, not less than 1/2" thick, and spaced and supported according to APA guidelines. Joints should be sealed with Sikaflex® 2c or 1a and detailed and may need embedded fabric reinforcement.

**Metal** - Should be thoroughly cleaned by grinding or blast cleaning.

#### Priming

Refer to separate primer data sheets for more detailed information.

**Concrete** - For concrete decks with a maximum moisture content of 4% by weight, apply Sikafloor® FTP with a flat squeegee or roller at approximately 300 ft²/gal. For concrete decks with a maximum moisture content of 5% by weight, apply Sikafloor® 1610 with a flat squeegee or roller at approximately 150 ft²/gal. For concrete decks with a maximum moisture content of 6% by weight, apply two applications of Sikafloor® 1610 with a flat squeegee or roller at approximately 150 ft²/gal. per application. Work primer well into the substrate to ensure adequate penetration and sealing, and puddles are avoided.

**Plywood** - Apply Sikafloor® FTP with a flat squeegee or roller at approximately 300 ft²/gal, working primer well into the substrate to ensure adequate penetration and sealing, and puddles are avoided.

**Metal** - Consult Sika regarding primer recommendations.

#### Detailing

**Non-structural cracks up to 1/16"** - Apply a detail coat of Sikalastic® 720 at 23 wet mils, 4" wide, centered over the crack. Allow to become tack free before over coating.

**Cracks and joints over 1/16" up to 1 inch** - Rout and seal with Sikaflex® 2c or 1a sealant and allow to cure. Apply a detail coat of Sikalastic® 720 at 23 wet mils, 4" wide, centered over the crack. Allow to become tack free before over coating.

**Joints over 1 inch** - Should be treated as expansion joints and brought up through the Sikalastic® 720 waterproofing membrane and sealed with Sikaflex® 2c or 1a sealant.

### Mixing

Premix Part A and Part B components using a mechanical mixer (Jiffy) at slow speed to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour part B into Part A slowly and while mixing scrape the side of the container, Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

### Application

Apply at the recommended coverage rate (see appropriate System Guide) using a notched squeegee or trowel, and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and joints. Allow coating to cure a minimum of 3-4 hours at 70°F and 50% RH or until tack free before top coating. Allow coating to cure for a minimum of 36 hours before installing separate wear course.

### Removal

Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

### Limitations

- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 5°F (3°C) above measured dew point temperatures.
- Maximum moisture content of substrate: 4% by weight with Sikafloor® FTP primer, and 6% by weight with Sikafloor® 1610 primer.
- Minimum ambient and substrate temperature during application and curing of material is 40°F (4°C); maximum is 90°F (32°C). Frequent monitoring of ambient and substrate temperature should always be done when applying polyurethane coatings. Note that low temperatures and low humidity will slow down the cure, and high temperatures and high humidity will accelerate it.
- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Do not thin with solvents.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various Sika product solutions). Surface irregularities may reflect through the cured system.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Do not proceed if rain is imminent within 8-12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- On grade, lightweight concrete, asphalt pavement, and applications where chained or studded tires may be used should not be coated with Sikalastic® traffic systems.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation.



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# Construction

ation and priming with a moisture-blocking primer - contact Sika regarding recommendations.

- Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Sikalastic® 720 is not UV stable and must be top coated or protected by a separate wearing course.
- Primer and base coat must be kept clean and recoated - primer within 48 hours, base coat within 24 hours. If this window is exceeded, contact Sika for recommendations.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.

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KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. FOR PROFESSIONAL USE ONLY.

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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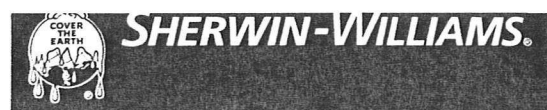


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Job: LA - CHERRY Date: \_\_\_\_\_

Color: \_\_\_\_\_ Finish: \_\_\_\_\_

Color Approved By: \_\_\_\_\_



SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0069820

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
FLAT STANDALONE

42 ST GARAGE-TAN  
CUSTOM MANUAL MATCH

CCE*COLORANT	OZ	32	64	128
B1-Black	-	15	-	-
R2-Maroon	-	1	-	1
Y3-Deep Gold	-	25	-	-

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0090044

INT/EXT ARCHITECTURAL  
PRO INDUSTRIAL ACRYLIC  
SEMI-GLOSS STANDALONE

GREEN  
CUSTOM MANUAL MATCH

CCE*COLORANT	OZ	32	64	128
B1-Black	2	11	1	1
G2-New Green	-	55	1	-
N1-Raw Umber	-	23	1	1
Y3-Deep Gold	-	8	-	1

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0073442

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE

COMP(B001) 2040-40 SUMMER BASK  
CUSTOM 100% FORMULA MATCH

CCE*COLORANT	OZ	32	64	128
L1-Blue	4	39	-	1
N1-Raw Umber	-	16	-	-
Y3-Deep Gold	2	17	1	-

FIVE GALLON EXTRA WHITE  
A80W01151 640413738

STUCCO/MASONRY  
**EXT. WALLS**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0069820-001

ONE GALLON DEEP  
B66W01153 650827249

**Railings & Doors**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0090044-001

ONE GALLON LIGHT YELLOW  
A89Y00156 640411955

**LEVEL #2 Columns**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0073442-001

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0086089

EXTERIOR ARCHITECTURAL  
A-100 LATEX  
SATIN STANDALONE

2073-40 PURPLE HYACINTH  
CUSTOM MANUAL MATCH

CCE*COLORANT	OZ	32	64	128
W1-White	4	42	-	-
L1-Blue	-	18	1	1
R3-Magenta	4	52	-	1
Y1-Yellow	-	15	-	-

ONE GALLON DEEP  
A82W00153 640399739

STUCCO/MASONRY  
**LEVEL #4 Columns**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0086089-001

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0069145

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE

COMP(B001) 2160-30 MAPLE SUGAR  
CUSTOM SHER-COLOR MATCH

CCE*COLORANT	OZ	32	64	128
G2-New Green	-	3	-	-
R2-Maroon	-	9	-	-
Y3-Deep Gold	10	52	-	-

ONE GALLON DEEP  
A89W00153 640392346

**LEVEL #3 Columns**

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0069145-001

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0000000

EXTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE

6601 TANAGER  
SHER-COLOR FORMULA

CCE*COLORANT	OZ	32	64	128
R2-Maroon	-	17	1	-
R4-New Red	10	13	1	1
Y3-Deep Gold	-	32	1	-

ONE GALLON ULTRADEEP  
A89T00154 640392379

**LEVEL #1 Columns**

P3 PRIMER RECOMMENDED FOR THIS COLOR

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



0000000-000

Non Returnable Tinted Color  
CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.



2

ONE GALLON DEEP  
A87W00153 650046329  
**LEVEL #5 Columns**

CCE*COLORANT	OZ	32	64	128
W1-White	8	39	1	-
L1-Blue	-	47	-	-
R3-Magenta	-	41	-	1

SHERWIN-WILLIAMS 2602 05/04/18  
305-673-2600 Order# 0000000  
INTERIOR ARCHITECTURAL  
SUPER PAINT LATEX  
SATIN STANDALONE  
COMP(B001) 2067-50 SUMMER BLUE  
CUSTOM SHER-COLOR MATCH

## Sikalastic® 745 AL

Two-component, aliphatic, fast-curing, solvent-free, traffic bearing wear and top coat

<b>Description</b>	Sikalastic® 745 AL is a two-component, aliphatic, chemically cured, elastomeric polyurethane coating intended for use as the traffic bearing wear and top coat over polyurethane waterproofing membrane for pedestrian and vehicular traffic bearing applications, and as a protective top coat over polyurethane waterproofing membrane under a separate wearing course such as concrete or asphalt pavement, and tile in a setting bed.
<b>Where To Use</b>	<ul style="list-style-type: none"><li>■ Multi-story parking garages.</li><li>■ Parking decks and ramps.</li><li>■ Foot bridges and walkways.</li><li>■ Mechanical rooms.</li><li>■ Stadiums and arena.</li><li>■ Plaza and rooftop decks.</li><li>■ Balconies.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>■ Low odor and fast turnaround.</li><li>■ Excellent crack-bridging properties and flexibility, even at low temperatures.</li><li>■ Resistant to water and de-icing salts.</li><li>■ Alkaline resistant.</li><li>■ Range of standard colors.</li></ul>
<b>Coverage</b>	133 ft²/gal. @ 12 wet mils (12 dry mils); 115 ft²/gal. @ 14 wet mils (14 dry mils); 90 ft²/gal. @ 18 wet mils (18 dry mils).
<b>Packaging</b>	17.6 gal. kit - four 5 gal. pails (net 4 gal. each) Part A and four 1 gal. cans (net 0.4 gal. each) Part B.
<b>Cure Mechanism</b>	Chemical cure.
<b>Chemical Resistance</b>	Resistant to de-icing salts, and alkaline concrete and cementitious mortars/tile adhesives.

### Typical Data (Material and curing conditions at 75°F (24°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	1 year in original, unopened containers.
<b>Storage Conditions</b>	Store dry at 40°- 95°F (4°- 35°C). Condition material to 65°- 85°F (18°- 30°C) before using.
<b>Color</b>	Gray, Charcoal and Tan; custom colors available.
<b>Pot Life</b>	20-30 minutes
<b>Total Volume Solids (ASTM D-2697)</b>	100%
<b>VOCs (ASTM D-2369-81)</b>	73.6 g/l
<b>Tensile Strength (ASTM D-412)</b>	3200 +/- 300 psi
<b>Elongation at Break (ASTM D-412)</b>	450 +/- 45%
<b>Tear Resistance (Die C, ASTM D-624)</b>	300 +/- 30 pli
<b>Hardness (ASTM D-2240)</b>	85 +/- 5 Shore A
<b>UV Resistance and Recovery from Elongation (ASTM C-957)</b>	PASS

**Sika**®

PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.



## How to Use

### Surface Preparation

Surface must be clean, dry and sound with an open texture. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

**Sikalastic® 720 Waterproofing Base Coat** - Coating should be cured and tack free.

**Existing Coatings** - Should be cleaned and mechanically abraded to provide a contaminant free, open textured surface. Solvent wipe as allowed by state and local regulations.

### Mixing

Premix Part A and Part B components using a mechanical mixer (Jiffy) at slow speed to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour part B into Part A slowly and while mixing scrape the side of the container, Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

### Application

Apply at the recommended coverage rate (see appropriate System Guide) using a notched squeegee or trowel, and backroll using a phenolic resin core roller. Apply aggregate evenly distributed at the appropriate rate immediately into wet coating and backroll if required (see appropriate System Guide). Allow coating to cure a minimum of 3-4 hours at 70°F and 50% RH or until tack free between coats. Allow coating to cure for a minimum of 36 hours before opening to vehicular traffic or installing separate wear course.

**Aggregate:** Use clean, rounded or semi-angular oven dried quartz sand with a size gradation of 16-30 mesh or 12-20 mesh for vehicular traffic and 20-40 mesh for pedestrian traffic, and a minimum hardness of 6.5 per the Moh's scale. It should be supplied in pre-packaged bags and free of metallic or other impurities. Seeding of aggregate means an even, light broadcast short of refusal. A full broadcast of aggregate means a heavy application to refusal. Any loose aggregate must be removed prior to recoating. Backroll aggregate where indicated.

### Removal

Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

### Limitations

- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 5°F (3°C) above measured dew point temperatures.
- Maximum moisture content of substrate: 4% by weight with Sikalastic® FTP primer, and 6% by weight with Sikalastic® 1610 primer.
- Minimum ambient and substrate temperature during application and curing of material is 40°F (4°C); maximum is 90°F (32°C). Frequent monitoring of ambient and substrate temperature should always be done when applying polyurethane coatings. Note that low temperatures and low humidity will slow down the cure, and high temperatures and high humidity will accelerate it.
- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Do not thin with solvents.
- Use properly graded, oven dried aggregates only.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various Sika product solutions). Surface irregularities may reflect through the cured system.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Do not proceed if rain is imminent within 8-12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- Opening to traffic or installation of separate wearing course prior to final cure may result in loss of aggregate, or permanent staining and subsequent premature failure.
- Vehicle fluids and some high performance tires can stain the coating. Fluid spills should be removed promptly as the coating can in some cases be damaged from prolonged exposure.
- On grade, lightweight concrete, asphalt pavement, and applications where chained or studded tires may be used should not be coated with Sikalastic® traffic systems.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation and priming with a moisture-blocking primer - contact Sika regarding recommendations.
- Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Base coat must be kept clean and recoated within 24 hours for two-component base coat, and 72 hours for single component base coat. If this window is exceeded, contact Sika for recommendations.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.



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# Construction



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KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. FOR PROFESSIONAL USE ONLY.

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. SALE OF SIKA PRODUCTS ARE SUBJECT SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING 201-933-8800.

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# PRODUCT DATA SHEET

## Sikagard® -62

Protective coating with moderate chemical resistance

### PRODUCT DESCRIPTION

Sikagard®-62 is a two-component, solvent-free, high build coloured protective coating based on epoxy resins. It produces a damp-proofing and vapour-proofing system. Cured Sikagard®-62 provides a hard, glossy coat with high resistance to abrasion and chemical attack.

### USES

- As an abrasion-resistant universal coating material designed for normal to moderately aggressive chemical environments. Sikagard®-62 is suitable for use on concrete stone, cementitious mortars and screed, epoxy cements (EpoCem), asbestos cement, epoxy mortars, iron and steel
- As anti-corrosion coating in food-processing plants, sewage works, farms and agricultural enterprises, chemical and pharmaceutical plants, beverage industries and bottling plants.
- Also used as part of glass fibre-reinforcement self-supporting linings with crack-bridging properties on bund areas and storage tanks.

### CHARACTERISTICS / ADVANTAGES

- Solvent free
- Excellent chemical resistance
- High abrasion resistance
- Protective and decorative
- Vapour proof
- Cures without shrinkage
- Safe to use in contact with foodstuff and potable water
- Excellent adhesion to most building materials
- Can be applied by brush and roller or airless spray
- Forms a smooth, even coating
- Protective lining

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**TESTS****APPROVAL / STANDARDS**

- approved to British Standards for Contact with Potable Water by WRAS.
- 

**PRODUCT DATA****FORM****COLOURS**

Light grey, light green and white. Other colour shades on request.

Under sun radiation it may come to discolouration and colour deviation; this has no influence to the function of the coating.

**PACKAGING**

Part A: 3.75 kg containers

Part B: 1.25 kg containers

Part A+B: 5.0 kg ready to mix units

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**STORAGE****STORAGE CONDITIONS / SHELF-LIFE**

24 months from date of production if stored properly in undamaged and unopened original sealed packaging in cool dry conditions. Protect from direct sunlight and frost.

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**TECHNICAL DATA****CHEMICAL BASE**

Epoxy resin

**DENSITY**

Mixed resin : approx. 1.35 kg/litre (20°C, 50 % rh)

**VISCOSITY**

Comp. A : thixotropic

Comp. B : approx. 1150 mPas (20°C, 50 % rh)

**VOC DATA**

VOC content (ready to use) not exceeding 200gm/litre [ Type of regulate paint under the Air Pollution Control (volatile organic compounds). ]

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**MECHANICAL /  
PHYSICAL PROPERTIES****TEMPERATURE RESISTANCE (WITHOUT CHEMICAL OR MECHANICAL ACTION)**

Permanent maximum : dry 70°C  
wet 60°C

**THERMAL EXPANSION COEFFICIENT**

Approx.  $7.5 \times 10^{-5}$  [ $\alpha = \text{m/m/}^\circ\text{C}$ ] (temperature range: -20 °C to +40 °C)

**COEFFICIENT OF THERMAL EXPANSION (-10°C to +40°C)**

Approx.  $7.5 \times 10^{-5} \text{mm/m/}^\circ\text{C}$

**WATER VAPOUR DIFFUSION COEFFICIENT ( $\mu\text{H}_2\text{O}$ )**

Approx. 100,000

**MECHANICAL STRENGTHS(7 days)**

Tensile Strength : approx. 25MPa  
Compressive strength : approx. 50MPa  
Flexural tensile strength : approx. 50MPa  
E-modulus (dynamic) : approx.  $30\text{-}40 \cdot 10^2 \text{MPa}$

**ADHESIVE STRENGTH**

(According to DIN 53232)

Substrate :

Dry Concrete : approx. 3.4 MPa

Steel (sandblasted) : approx. 25 MPa

Minimum thickness of coating for effective anti-corrosion protection:

0.6 mm dft (at least 2 coats, on mineral substrates no pinholes of air bubbles).

**ELONGATION AT BREAK**

Approx. 2.7%

**ABRASION (TABER ABRADER) (7 days)**

(According to ASTM D-1044)

Weight loss, 1,000 cycles

(H-22 wheel, 1,000 gm weight) 0.61gm

## CHEMICAL RESISTANCE

Test Medium	Test Temp C°	1 day	7 days	30 days	60 days	180 days	360 days
Acetone	20°C	A	C	-	-	-	-
Acrylonitrile	20°C	A	A	A	A	A	A
Acetic ester (concentrated)	20°C	A	B	C	-	-	-
Acetic ester 20 %	20°C	A	A	A	A	AD	C
	40°C	A	A	A	AD	C	-
Ammoniac 10%	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	AD
Caustic soda 30 % (NaOH)	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
Cement water (saturated) (Ca(OH) <sub>2</sub> )	20°C	A	A	A	A	A	AD
	40°C	A	A	A	A	A	BD
Citric acid 20%	20°C	A	A	A	A	AD	AD
	40°C	A	A	A	AD	AD	AD
Detergents	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	AD	AD
Distilled water	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	AD
	60°C	A	A	A	BD	BD	BD
Ethanol	20°C	A	A	A	B	C	-
	40°C	A	B	C	-	-	-
Ethanol/water 60:40	20°C	A	A	A	A	A	A
Formic acid 10 %	20°C	A	A	A	A	A	B
Fuel oil (EMPA)	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
	60°C	A	A	A	A	A	A
Hydraulic fluids (e.g. "Arcosafe", "Skydrol")	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	B	C
Hydrochloric acid (saturated) (HCl)	20°C	A	AD	AD	AD	AD	AD
	40°C	AD	AD	AD	BD	C	-
Hydrogen peroxide 5% (H <sub>2</sub> O <sub>2</sub> )	20°C	A	A	A	A	B	B
Iron-III-chloride solution (Fe Cl <sub>3</sub> ) 35%	20°C	A	A	AD	AD	AD	AD
	40°C	A	A	AD	AD	AD	AD
Iron-II-sulphate solution (Fe Cl <sub>4</sub> ) 35%	20°C	A	AD	AD	AD	AD	AD
	40°C	A	AD	AD	AD	AD	AD
Javelle water 14% (Cl <sub>2</sub> )	20°C	A	A	AD	BD	BD	C
Kerosene	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A

Lactic acid 20%	20°C	A	A	A	AD	BD	C
	40°C	A	A	AD	C	-	-
Liquid silage	20°C	A	A	A	AD	AD	AD
	40°C	A	A	AD	BD	BD	BD
Liquid manure	20°C	A	A	A	A	A	A
	40°C	A	A	A	AD	AD	AD
Methyl ethyl ketone MEK	20°C	A	C	-	-	-	-
Nitric acid 20% (HNO <sub>3</sub> )	20°C	AD	AD	AD	C	-	-
	40°C	AD	AD	C	-	-	-
Oxalic acid 10% (H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> )	20°C	A	A	AD	AD	BD	C
	40°C	AD	AD	BD	C	-	-
Potassium permanganat 10% (KMnO <sub>4</sub> )	20°C	A	A	B	C	-	-
Phosphoric acid 40% (H <sub>3</sub> PO <sub>4</sub> )	20°C	A	AD	AD	BD	BD	C
	40°C	AD	AD	BD	C	-	-
Red/white Wine	20°C	A	A	A	A	A	A
Sodium chloride solution (saturated) (NaCl)	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
Soda solution (saturated) (Na <sub>2</sub> CO <sub>3</sub> )	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
Sulphuric acid 50% (H <sub>2</sub> SO <sub>4</sub> )	20°C	AD	AD	AD	AD	AD	AD
	40°C	AD	AD	AD	AD	AD	AD
Sulphurous acid 5% (H <sub>2</sub> SO <sub>3</sub> )	20°C	A	A	AD	AD	AD	BD
	40°C	A	AD	AD	AD	AD	BD
Styrene	20°C	A	A	A	A	A	B
Tartaric acid 20%	20°C	A	A	A	A	A	A
Toluene	20°C	A	A	B	B	B	B
	40°C	A	A	B	B	B	C
Trichloroethylene	20°C	A	B	C	-	-	-
Water	20°C	A	A	A	A	A	A
	40°C	A	A	A	A	A	A
	60°C	A	A	A	B	B	B

For information about resistance to other media, please contact our Technical Services Department.

A= resistance to prolonged contact, B= temporarily resistant, C= break down of coating, D= resistant, but discoloration of coating.

## SYSTEM INFORMATION

### APPLICATION DETAILS

### SYSTEM STRUCTURES

Roller coating:

Primer: 1 x Sikagard® -62

Coating: 2-3 x Sikagard® -62

Glass fabric reinforced system:

Primer: 1 x Sikagard® -62

Coating: 1 x Sikagard® -62 imbedding of glass fabric  
2-3 x Sikagard® -62

### CONSUMPTION / COVERAGE

Coating System	Product	Consumption
Roller coating		
Priming	Sikagard® -62	0.3 – 0.5 kg/m <sup>2</sup>
Roller coating	Sikagard® -62	0.4- 1.0 kg/m <sup>2</sup> , per coat, depending on substrate condition and coating thickness required
Glass fabric reinforced system		
Priming	Sikagard® -62	0.3 – 0.5 kg/m <sup>2</sup>
1 <sup>st</sup> coat	Sikagard® -62	0.8 – 1.0 kg/m <sup>2</sup>
Imbedding	Glass fabric	Approx.0.3 kg/m <sup>2</sup>
2 <sup>nd</sup> coat	Sikagard® -62	0.5 – 0.8 kg/m <sup>2</sup>
3 <sup>rd</sup> coat	Sikagard® -62	0.3 – 0.5 kg/m <sup>2</sup>

Note: For a theoretical dry film thickness of 100 microns (0.1 mm) approx. 0.14 kg/m<sup>2</sup>. These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.

### SURFACE PREPARATION

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 MPa) with a minimum pull off strength of 1.5 MPa. The substrate must be clean, dry and free from oil, grease, loose and friable particles. Very smooth surfaces, insufficient layers and oily contaminations must be removed mechanically (e.g. by blast cleaning or grinding). Then thoroughly cleaned to remove all dust. A sealer/levelling coat of Sikagard® -720 EpoCem or Sikafloor® -81/82 EpoCem should then be applied, after first making good any major surface defects. Steel and iron surfaces must be sandblasted (SA 2½).

Cementitious materials other than EpoCem should be at least 4 weeks old.

### SUBSTRATE MOISTURE CONTENT

≤4% moisture content. Test method: Sika®-Tramex or CM.

No rising moisture according to **ASTM** (Polyethylene-sheet)

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## PREPARATION OF MATERIAL

Both components are packed separately. Prior to mixing, stir Part A mechanically and add entire contents to Component A, using a paintbrush or spatula to scrape out residue. Mix thoroughly with an electric stirrer at low speed (~ 300 rpm), taking care to entrain as little air as possible. Leave mixture to stand for approximately 3 minutes before applying.

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## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Sikagard®-62 may be applied with a paintbrush, nylon roller, spatula or airless spray equipment.

### SUBSTRATE TEMPERATURE

+8°C min(but at least 3°C above the dew point)  
+30°C max.

### AMBIENT TEMPERATURE

+8°C min(but at least 3°C above the dew point)  
+30°C max.

### RELATIVE AIR HUMIDITY

85% r.h. max. (incl. over night).

**Beware of condensation !**

### POTLIFE

Max. open times

Temperatures	Time
+5°C	~90 minutes
+10°C	~30 minutes
+20°C	~20 minutes
+30°C	~10 minutes

### WAITING TIME / OVERCOATING

Before applying Sikagard®-62 - on Sikagard®-62 allow:

Substrate temperature	Minimum	Maximum
+10°C	30 hours	3 days
+20°C	10 hours	2 days
+30°C	6 hours	1 day

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Waiting time between coats should not exceed 48 hours. Otherwise surface must be ground before recoating.



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## CURING TIME

Temperature	Foot Traffic	Light Traffic	Full cure
+10°C.	~2 days	~5 days	~14 days
+20°C.	~1 days	~4 days	~10 days
+30°C.	~18 hours	~2 days	~5 days

Note: Times are approximate and will be affected by changing ambient conditions.

## CLEANING OF TOOLS

Clean all tools and equipment immediately after use with Thinner C. Once hardened, the material can only be removed mechanically.

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## NOTES ON APPLICATION / LIMITATIONS

Products in a liquid or uncured state may contaminate groundwater and should be prevented from entering drains or water courses.

Empty containers may contain hazardous residues. Product remnants should be removed and disposed of in accordance with local regulations.

Do not apply Sikagard® -62 to cementitious mortars that are modified with acrylic, acrylic co-polymer, EVA OR PVA polymer (e.g. SikaTops) because under certain environmental conditions hardened mortar or render may swell slightly and crack the rigid epoxy coating.

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## VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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**HEALTH AND SAFETY  
INFORMATION**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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**LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. **Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.**

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**FOR MORE PRODUCT NAME® INFORMATION:****SIKA HONGKONG LTD**

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**Product Data Sheet**

Sikagard® -62  
Apr. 2018, VERSION 7

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(786) 712-6212

**Harbour Construction**  
**attn: Guy Lesseur**  
**(305) 603-9944**  
**7340 SW 48 St #102,**  
**Miami, FL 33155**

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**400 West 42<sup>nd</sup> St - Miami Beach Parking Garage**

**5/24/2018**

<i><b>Qty</b></i>	<i><b>Scope</b></i>	<i><b>Notes</b></i>	<i><b>Price</b></i>
Top Deck	Pressure wash top floor concrete deck Remove traffic and parking striping Remove existing sealant from top floor expansion joint areas. Install the Sikaflex SL polyurethane sealant system and new backer rod to expansion joint areas. Install Sikalastic 720/745 polyurethane coating system to concrete deck.		182,350
West Stairway	Pressure wash top floor concrete deck Remove traffic and parking striping Remove existing sealant from top floor expansion joint areas. Install the Sikaflex SL polyurethane sealant system and new backer rod to expansion joint areas. Install Sikalastic 720/745 polyurethane coating system to concrete deck.		14,220

Labor and Material is included.

7 Year labor and material warranty

***Contract Amount***

***Previously Paid***

***Total* \$196,570**

# The O.J. Painting & Waterproofing Company

8571 SW 27<sup>th</sup> Ter, Miami, FL 33155 | (305) 934-3074 | [OJPainting@bellsouth.net](mailto:OJPainting@bellsouth.net) | 99BS00197

## PROPOSAL

<b>Name</b>	Harbour Construction	<b>Date</b>	5/16/2018
<b>Address</b>	7340 SW 48 <sup>th</sup> St, Suite 102, Miami, FL 33155	<b>Job</b>	400 W 32 <sup>nd</sup> St Parking Garage
<b>Phone</b>	(305) 603-9944	<b>Name</b>	Deck
<b>Fax</b>	(305) 603-9437	<b>Trade</b>	Waterproofing
		<b>Contact</b>	

We hereby submit specifications and estimates for: waterproofing of concrete deck. The job will be in accordance to the specifications given, and will consist of the following:

- Remove existing sealants at expansion joints.
- Apply new Sikaflex SL (with backer rod) to expansion joints.
- Apply the Sikalastic 720/45 polyurethane coating system to deck surface.
- Note: Excludes re-stripping of parking spots and traffic markings.
- **Top Deck: (Sikalastic 720/745)**
- Area: 25,000 Sq. Ft. (\$6.75/Sq Ft)
- Price: \$168,750.00
- **West Stairway: (Sikagard 62)**
- Area: 1,920 Sq. Ft. (\$6.75/Sq Ft)
- Price: \$12,960.00

Note: Exterior painting work comes with a 7 year warranty.

We hereby propose to furnish labor and materials- complete in accordance with the above specifications, for the sums specified above. Payments are to be made in draws as the job is completed.

## ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above:

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Signature

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Date