Biscayne Restoration Inc.

11860 W. State Road 84, Suite B-7 Davie, FL 33325
Toll Free: (888) 623-5316, Broward: (954) 922-4935
Dade: (305) 876-9811
info@biscaynecorp.com

HIALEAH CLUB VILLAS CONDOMINIUM

2150 -2194 W 60TH ST
HIALEAH, FL 33016

Biscayne Restoration Inc

11860 W. State Road 84, Suite B-7 Davie, FL 33325
Toll Free: (888) 623-5316, Broward: (954) 922-4935
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info@biscayrecorp.com

April 1, 2024

HIALEAH CLUB VILLAS CONDOMINIUM
2150 – 2194 W 60 STREET
HIALEAH, FL 33016
ATTENTION: H.O.A.

Dear Board of Directors,

Enclosed please find our proposal for professional paint services. It is written to meet the needs of **HIALEAH CLUB VILLAS CONDOMINIUM**. in conjunction with the **specifications** provided by**THE SHERWIN WILLIAM PAINT COMPANY, TEN (10) YEAR WARRANTY**. Please read the proposal carefully to ensure wehave included all the requested items. See attached copy of warranty certificate.

Biscayne Restoration Inc. is licensed, and fully insured, and we are a drug-free company. We have been serving South Florida since 1986 with hundreds of satisfied customers. Customer satisfaction is guaranteed, and the quality paint and waterproofing materials used in our jobs carry long-term warranties. Our sales professionals are fully knowledgeable of all phases of the painting process and are there to assist you in any way possible.

Best regards,

Marlon C Luis
Marlon C. Luis President
Biscayne Restoration. Inc

Steve Warsche
Steve Warsche, Vice President
Biscayne Restoration Inc

Biscayne Restoration Inc.

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FREE TO THE HOMEOWNERS:

- We have our own city meter that we will connect to the fire city fire hydrants, homeowners don't have to pay for water used to pressure wash in this painting project.
- Any damaged wood excluding fencing will be removed and replaced.
- Sidewalks are included to be pressure cleaned at no charge to the Owners.
- Remove and Replace Building identification and unit numbers and replace with new numbers.
- Electrical work needed as specified by the engineer is included.

NOTES:

- PATIO ENCLOSURERS WITH NO ACCESS CANNOT BE PAINTED
- BISCAYNE RESTORATION INC. WILL NOT BE RESPOSIBLE FOR ANY AIR CONDITIONING UNITS DAMAGE.
- THE ENCLOSED PATIOS NEEDS TO BE COMPLETELY FREE OF PERSONAL ITEMS.
- BISCAYNE RESTORATION INC WILL NEED TO SET UP SCAFFOLDING AND BOARDS; AND BY SETTING UP WHERE TO STAND OVER THE METAL ENCLOSURERS TO PREPARE AND PAINT THE UPPER WOOD AND STUCCO LEVELS WILL NOT BE RESPOSSIBLE FOR ANY DAMAGED TO METAL ROOF STRUCTURE.
- WOOD FENCES ARE NOT INCLUDED IN THIS CONTRACT.

md

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SCOPE OF WORK

The work to be done by Biscayne Restoration Inc. shall include the furnishing of all **materials, labor, tools, and equipment** required to complete this project. The submission of a bid by this contractor confirms anunderstanding of all conditions of this work and the proper application of the materials specified.

Preparation and Repainting of the following:

1. **12 Buildings (2150,2154,2158,2162,2166, 2170,2174,2178,2182,2186,2190, and 2194)**
2. **258 Units**
3. **Guard house**
4. **Concrete Peripheral Fence**

INCLUSIONS:

EXTERIOR PAINTING, CONCRETE AND STUCCO RESTORATION IN ALL BUILDINGS, GUARD HOUSE, BREEZEWAYS, STAIRS WALLS AND CEILINGS, WALL DIVIDERS BETWEEN BALCONIES, PERIPHERAL CONCRETE FENCE, AND PREVIOUSLY PAINTED CONCRETE FLOORS, STAIR STEPS ANS LANDINGS ON THE FIRST AND SECOND LEVELS USING THE SHERWIN-WILLIAMS COMPANY APPROVED AND REQUIRED PRODUCTS AND FOLLOWING THEIR TEN YEARS WARRANTY REQUIREMENTS APPROVED BY HIALEAH CLUB VILLAS CONDOMINUM ASSOCIATION AS FOLLOWS:

1. Chemically treat where mold needs to be treated and pressure clean all previously painted stucco, wood surfaces, metal surfaces and floors.
2. Prepare and Patch All hairline cracks 1/16" or less or any other size structure cracks.
3. Stucco and concrete restoration and crack repairs on dividing balcony walls are also included. removal of debris is included.
4. Remove and replace damage deteriorated and loose Caulking from the Windows, Doors Casings; prepare by wiping substrate clean with Denatured Alcohol to clean and apply a continuous bead of The Sherwin-Williams 850a 45 Year Acrylic Latex Siliconized Caulk to where metal or wood frames meets stucco.
5. Doors and door casings to wipe surface clean with Denatured Alcohol to Prepare and Paint unit entry doors and door casings, common and utilityv and doors casings with Sherwin Williams DTM Satin Finish B66 Series. To a sound surface for the finish coat to adhere properly.
6. Seal/Prime all previously prepared stucco wall surfaces and with The Sherwin-Williams Exterior (LX Series) Loxon Conditioner Clear to the properly prepared surfaces.
7. Finish (Topcoat) Sherwin-Williams Paint Company Latitude Exterior Acrylic Latex line Satin K60 or Flat K62 Finish to the properly prepared and primer previously painted stucco surfaces. (No extra charge for the H.O.A. selected and approved finish product sheen)
8. Prepare and paint all balcony walls, ceilings and dividing walls with open access to painters.
9. Remove and replace all expansion joints and replace installing proper size backing rod and apply Pecora Dynatrol I XI Hybrid Paintable Sealant packaged in sausages to the properly prepared and clean joints. This sealant will also be applied to decorative roofs joints where the balcony slabs meet the roofing side walls. Stucco dividing balcony walls and re-stucco where patched as needed.
10. Repair, Prepare and Paint all Metal Handrails and repaint them using Sherwin-Williams Company SuperStar with our Electrostatic equipment.
11. Repair, Prepare and Paint Catwalk Walls and Ceilings.
12. Repair, Prepare and Paint all Perimeter concrete fence.
13. Repair, Prepare and Paint property stucco monument entry sign wall fence both sides.
14. Repair, Prepare and Paint property concrete wall fence and Guardhouse.
15. Waterproof the top part of the concrete wall fence throughout the property.
16. Prepare and Paint Roof Galvanized Metal Flashing, Gutters and Downspouts.

MR

Biscayne Restoration Inc

11868 W. State Road 84, Suite B-7 Davie, FL 33325
Toll Free: (888) 623-5316, Broward: (954) 922-4935
Dade: (305) 876-9811
Info@biscayneconp.com

17. All wood Fascia and Soffits to be repaired if damaged, and where damage is to be replaced, caulked, patched, and finished. All other woods in good condition on fascia and soffits are to be pressure cleaned and painted only if painters have access.
18. Electrical work to install all new grounding straps, rods, lines to service meters and label them is included in this proposal.

19. **Repairs per CALC engineering/project no: S24003**
    - Repairs are based on CALC ENGINEERING packet. In addition to the engineer specifications, any other concrete, stucco or structural repair needed is included in this proposal at NO extra cost to Hialeah Club Villas Homeowners.

Description	Unit	Quality
Cracks on the walls	LF	2535
Stucco Repair	SF	600
Crack under Slab	LT	465
Spalling	SF	400
Repairs of Gable ends	12	

First and second floors previously painted, staircase floors and landings to be prepare using a standard two coat conventional coating system by TuffTop Duraplate #289 High Performance Walkway Enamel adding Rhino Hide Skid Resistant Additive (1,500 Colors to choose from)

NO EXTRAS NO SURPRISES, EVERY CONCRETE AND STUCCO REPAIR ARE INCLUDED.

20. **RAILINGS REPAIRS**
    - Gring with Power tooling equipment on rusty areas on bases.
    - Wipe substrate clean with Xylene Solvent
    - Remove and Replace where damage.
    - Apply rust Skyco Ospho Rust Neutralizer Metal Treatment to properly prepared metal.
    - Apply a continuous bead of Loxon S1. to the bases.
    - Re-Paint using a conventional H.V.L.P. (High Volume, Low pressure on Balconv.Railings
    - Re- Paint using a Electrostatic "Paint see #10" on catwalk railings.

EXCLUSIONS:
ANY OTHER SURFACE NOT MENTIONED IN THE INCLUSIONS

MR

Biscayne Restoration Inc.

11980 W. State Road 84, Suite B-7 Davie, FL 33325
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Dade: (305) 876-9811
[redacted]

ACCESS

The owner agrees to and will be responsible for trimming and/or removing all foliage clinging to orotherwise obstructing the building and providing adequate access to the areas to be painted. The owner agrees to make every effort to notify all occupants to remove personal property as necessary so that thecontractor can proceed without delay.

1. The Work will be performed between 8.00 a.m. and 4.30 p.m., Monday through Friday, statutoryholidays excluded, unless the parties mutually agree.
2. The Work will be performed only if weather conditions are favorable to ensure an acceptable finished product. The Work shall be executed in a manner consistent with industry standards.

STAGING AREA

Biscayne Restoration Inc. will submit requirements for the staging area (shop and storage area) andthe owner will make every effort to provide a suitable area.
At the end of each working day, all equipment, ladders, paint, supplies, vehicles, etc. must be returnedto the staging area and the working area left clean. Protection of this area is the contractor's sole responsibility and should be left in a clean, safe, and acceptable manner.

PERMITS

If required, any state, county, or municipality permitting cost will be added to the contract price, including permit runner fee.

PERSONNEL

BISCAYNE RESTORATION, INC IS A DRUG-FREE WORKPLACE

POSTING

Biscayne Restoration Inc. will post notices prior to pressure cleaning and painting. These notices are for the convenience of the homeowner and Biscayne Restoration, Inc.

LICENSE

Biscayne Restoration Inc. will produce on demand any valid licenses necessary to operate in the appropriate county. Marlon Luis is licensed in the State of Florida Certified General Contractor.

INSURANCE

Biscayne Restoration, Inc. will furnish a suitable insurance certificate covering liability and property damage, Workman's Compensation coverage, that shall be kept in force for the duration of the project.The contractor shall hold the association harmless from all lines. It is understood and agreed that the contractor and the contractor's insurer will be held harmless for alleged or actual damages/ claims because of mold, algae, or fungus. It is understood that the contractor and the contractor's insurer willexclude all coverage, including defense, damages related to bodily injury, property damage, and clean-up expenses caused directly or indirectly in whole or in part for any action brought as a result of mold,including fungus and mildew regardless of the cost, event, material, product, or workmanship that mayhave contributed concurrently or in any sequence to the injury or damage that occurs.

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LIASON

The owner's designated representative and Biscayne Restoration, Inc will transact all business relating to the job andwill not permit unauthorized inference from residents of the owner's property or from the contractor's employees.

PREPARATION OF THE SURFACES TO BE PAINTED

Surfaces must be prepared in accordance with P.D.C.A. National Paint Standards to provide a substrate suitable for the long-term adhesion of the specified coating. Proper preparation is the responsibility of the contractor. The following recommendations are for guidance only since other suitable methods may be substituted for the procedures.
If surfaces cannot be put into proper condition for finishing by specified methods, notify owners inwriting, or assume responsibility for such surfaces and rectify any unsatisfactory results.

UNFORESEEN CONDITIONS

The contractor will not be held responsible for additional costs, including overhead and profit, caused by changes ordered in the work or made necessary by unforeseen conditions including but not limited to labor disputes, fire, unusual delays in transportation, acts by public utilities or public bodies,inspectors, adverse weather conditions, unavoidable casualties, catastrophes, war, civil disturbances, acts of God, or other causes beyond the contractor's reasonable control. Appropriate adjustments in the agreement price and profit thereon shall also be made to compensatethe contractor for his additional costs and overhead occasioned by extensions of time.

COLLECTIONS

All payments for goods and services rendered are due upon receipt of the invoice. Any invoice notpaid within **THIRTY (30)** days shall be subject to interest at **2%** per month. In addition, the owner agrees to pay all the collection costs, including reasonable attorney's fees.

1. If the project is delayed for more than five days due to the Customer's non-payment or any otherreason caused by the Customer, and the Contractor decides to continue working, then the Customer must pay $500.00 as liquidated damages before the Contractor resumes work.
2. Before the Start Date, the Customer must approve color, sheen, and texture and LIASON The owner's designated representative and Biscayne Restoration, Inc will transact all business relating to the job andwill not permit unauthorized inference from residents of the owner's property or from the contractor's employees.

WORKMANSHIP

Biscayne Restoration Inc. will use utmost care to protect the occupants' property, including all balconies, screens, windows, walkways, shrubbery, parked vehicles, and any property in the area from paint/or other damage. Biscayne Restoration Inc. will be responsible for rectifying any such damage, the cleanup involved in the work outlined in this specification, and their employees during their labor performance. All work is to be done in a workman-like manner by skilled mechanics and carried out in such a way as to minimize anyinconvenience to the occupants and tenants. Biscayne Restoration, Inc will maintain a full workforce from start to completion and shall have a qualified foreman on the job at all times.

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Including the cost of labor and materials.....$518,000.00

PAYMENT SCHEDULE:
20% Upon signing the contract agreement for mobilization, materials, equipment, labors and painting of common areas.....$103,592.92
Balance after initial payment $418,408.00

12 Buildings:
#2150 Upon completion = $34,534.00
#2154 Upon completion = $34,534.00
#2158 Upon completion = $34,534.00
#2162 Upon completion = $34,534.00
#2166 Upon completion = $34,534.00
#2170 Upon completion = $34,534.00
#2174 Upon completion = $34,534.00
#2178 Upon completion = $34,534.00
#2182 Upon completion = $34,534.00
#2186 Upon completion = $34,534.00
#2190 Upon completion = $34,534.00
#2194 Upon completion = $34,534.00

AGREED,

HIALEAH CLUB VILLAS CONDOMINIUM ASSOCIATION, INC. AUTHORIZED SIGNATURES

HIALEAH CLUB VILLAS CONDOMINIUM — Date 10/28/2024

HIALEAH CLUB VILLAS CONDOMINIUM — Date 10-29-2024

HIALEAH CLUB VILLAS CONDOMINIUM — Date 10/29/2024

HIALEAH CLUB VILLAS CONDOMINIUM — Date

HIALEAH CLUB VILLAS CONDOMINIUM — Date 9/18/24

Marlon C. Luis\President
Biscayne Restoration Inc.

HIALEAH VILLAS CONDOMINIUM ASSOCIATION AUTHORIZED

SIGNATURE: _____

NAME: Rosa V Ruiz

DATE: 10/28/2024

SIGNATURE: Eudaldo Valdes

NAME: Eudaldo Valdes

DATE: 10-28-2024

SIGNATURE: Mirta Hernandez

NAME Mirta Hernandez

DATE 10/29/2024

SIGNATURE: Marcelo gonzalez

NAME: Marcelo gonzalez

DATE 10/29/24

SIGNATURE: _____

NAME: _____

DATE: _____

_____

BISCAYNE RESTORATION INC

Marlon C. Luis

DATE: 11/20/24

Exterior Paint Specification For

Hialeah Club Villas

SHERWIN WILLIAMS.

Prepared for:
Hialeah Club Villas
2150 W 60 St
Hialeah FL, 33016
Rosa V. Ruiz
Will Hernandez
7864565187

Prepared by:
Sherwin-Williams Representative
Albert Antonio
954.459.0382
Albert.Antonio@sherwin.com

SHERWIN-WILLIAMS.

Revised
October 04, 2024

Thank you for considering Sherwin-Williams products for your project.

I had the opportunity to walk the above-mentioned property. The buildings that are to be painted have been examined and a specification that best suits this project has been created.

Upon completion of the entire project, and adherence to the provided specifications, the owner will receive a 10-year material warranty using Latitude Exterior from Sherwin-Williams on all properly prepared exterior vertical masonry surfaces. Sherwin-Williams will also present a document of the facility's colors, products used and location of original purchases for maintenance and re-orders (Custodian).

Thank you for selecting the Sherwin-Williams Paint Company for this project. We appreciate your confidence in our products and their performance in the field. If I may be of any assistance in this or any other matter, I await your request.

Respectfully,

Albert Antonio JR
954.459.0382
Albert.Antonio@sherwin.com

SHERWIN-WILLIAMS.

Project Scope

Inclusions: 12- 2 story buildings, Customer request NO SPRAY, ONLY ROLL ALL SURFACES TO BE PAINTED.

- The contractor is to pressure clean the exterior surfaces to be painted. (see Pressure Washing Surface Preparation)
- Seal all exterior surfaces to be painted (see Coatings Schedule)
- **(Sealants)** (see Caulks & Sealants)
- **Masonry**
  - **Painting Of All Previously painted surfaces & surrounding elements**
  - **Painting Of Front Entrance Sign**
  - **Painting Of All exterior Walls And accents**
  - **Painting Of All Balcony walls and ceilings**
  - **Painting Of All Parapet & Horizontal masonry surfaces (waterproof option).**
  - **Painting Of All Breezeway walls & Ceilings**
  - **Painting Of All Stair way walls and ceilings**
  - **Painting Of perimeter wall in community**
- **Metal**
  - **Painting Of All Gutters & downspouts if applicable**
  - **Painting Of All Railings**
- **Misc**
  - **Painting of all windows & doors front face only**
  - **Caulking around windows & doors if needed**
  - **Include price for all expansion joint repair**
  - **Painting Of All Previously painted floors (Add Anti-slip additive)**
- **Exclusions**
  - **Interior living spaces**
  - **Pergolas**
  - **Aluminum roofs**
  - **Tiles**
  - **Roof**
  - **Electrical panels/plumbing**
  - **Plumbing**
  - **Light post around community**
  - **Wood fences**
  - **Window security gate**
  - **Window frames**
  - **Light fixtures**
  - **All other not listed above**

NOTE: ABSOLUTELY NO SPRAY ALLOWED, MUST ROLL ALL PAINT COATINGS. Must address all stucco restoration prior to paint commence. Warranty only for properly prepared vertical masonry surfaces.

The work will consist of all preparation, painting, finishing work and related items necessary to complete work described in these specifications and listed in the remaining pages included within this specification.

SHERWIN-WILLIAMS.

This document serves as a recommendation based on the condition of the property as developed in conjunction with the owners or the owner's representative. It serves as a resource and standardization for contractors to bid the project and is in no way a contract agreement. It is ultimately the responsibility of the contractors involved to satisfy the contract agreement. The owners may change the scope and materials after this document has been drafted. The final agreement/contract is between the general contractor/painting contractor/ and the property owner or the owner's representative. Sherwin-Williams recommendations strictly follow the technical data guidelines for the products specified.

SHERWIN WILLIAMS.

Contractor shall strictly adhere to all applicable federal, state and local regulations associated with proper lead-safe work renovation, repair and painting practices and procedures. State and local regulations may be more strict than those set under the federal regulations. The federal practices and procedures are detailed in EPA's Lead Renovation, Repair and Painting Program Regulations Rule (RRP) 40 CFR Part 745, Subpart E, and as amended. Specifics associated with the RRP Rule pertaining to "Firm Certification", individual "Certified Renovator" Certification, pre-work activities (notification & testing), occupant protection / work site preparation measures, safe work / prohibited work practices, clean-up / clean-up verification / waste disposal / clearance testing (if applicable), recordkeeping and worker training criteria can be obtained on EPA's website: www.epa.gov/lead.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than than those set under the federal RRP Rule.

SHERWIN-WILLIAMS.

Coating Schedule

Stucco, EIFS, Brick and Other Masonry Surfaces

A. Prime Coat: Loxon Conditioner (LX Series) (applied 200-320 sq. ft. per gallon

B. All Repairs & Fresh Stucco: Loxon Concrete Masonry Primer (LX Series) (applied 5-8 mils WFT or 200-300 sq. ft. per gallon)

C. Finish Coat: Latitude Exterior latex flat (K60 series) (4 mils WFT or 1.4 DFT)
Latitude Exterior Latex Satin (K62 series)(4 mils WFT or 1.4 DFT)

Note:

Coverage and hide shall be complete. When color, stain, dirt, or undercoats show through final coat of paint, surface shall be covered by additional coats until paint film is of uniform finish, color, appearance and coverage (regardless of amount of coats specified)

Waterproofing Systems

A. Prime Coat: Loxon Conditioner (LX Series) (applied 200-320 sq ft per gallon)

B. 2 Intermediate Coat: Loxon XP Masonry Coating (LX Series) (14-18 mils WFT or 6.4-8.3 mils DFT)

C. 1 Finish Coats: Latitude Exterior Latex Satin/Flat (4 mils WFT or 1.4 DFT)

Metal Stairwells, Railings

First clean surface as per SP-1 (clean with simple green) to ensure surface is clean of grease and other contaminants. Then prepare surface as per SP-2 (hand tool cleaning) to ensure removal of previous loose, flaking, peeling coatings and remove any loose scaling rust. **Then sand to abrade & obtain a profile to promote adhesion of new coating system**. Then clean to ensure surface has is free of any detrimental foreign matter.

A. Prime Coat: Pro industrial Procryl primer (B66 Series)

B. Finish Coat: Pro Industrial DTM (B66 Series)(6Wft or 2.4DFT)

Wood if applicable

A. Prime Coat: Prime new or bare areas using Problock Latex Primer (B51w620) (4 mils WFT or 1.2 mils DFT)

B. Finish Coat: Latitude Exterior Latex Flat (K60 series) (4 mils WFT or 1.4 DFT)
Latitude Exterior Latex Satin (k62 series)(4 mils WFT or 1.4 DFT)

Concrete Walkways and Patio Floors

A.First & Second Coat Finish: H&C Heavy Sheild Waterbased Solid Color Concrete & Driveway Enamel/Stain(100-300 sq. ft. per gallon)

B.Optional First & Second Coat Finish: Tufop wc floor coating (100-300 sq. ft. per gallon)

Must Add anti-slip additive to all floor coatings

Crack Repair

Identify all cracks in the existing substrates and repair per manufacturer's recommendation.

A. For hairline cracks 1/16 inch or less wide — seal with Sherwin-Williams Concrete and Masonry Elastomeric Patching Compound (smooth or textured).

B. For cracks 1/16-3/5 inch, route the crack open to a uniform size by mechanical methods. Clean out crack with water and allow to completely dry. Seal with Sherwin-Williams Concrete and Masonry Elastomeric Patching Compound (smooth or textured).

C. For cracks deeper than ½ inch or wider than 1/4inch, backer rods should be used to fill the gap and to eliminate three point adhesions. See data sheet for additional information.

Caulks and Sealants

Execution

A. Do not begin application of caulk or sealants until substrates have been properly prepared. Notify owner or owner's representative of unsatisfactory conditions before proceeding.

B. If substrate preparation is the responsibility of another installer, notify owner or owner's representative of unsatisfactory preparation before proceeding.

C. Proceed with work only after conditions have been corrected, and approved by all parties, otherwise application of caulks and sealants will be considered as an acceptance of surface conditions.

Surface Preparation

A. Clean all joints by removing any foreign matter or contaminants that would impede adhesion of the sealant to the building material. The surface must be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint or other contamination to ensure good adhesion.

B. Porous materials are usually treated by mechanical means and nonporous surfaces by a solvent wipe that is compatible with the building substrate being used. **Note:** For porous surfaces, the use of detergent or soap & water is NOT recommended.

C. Existing sealants intended to be painted should be tested to assure coatings will fully adhere. Silicone sealants cannot be painted unless tested and approved by Sherwin-Williams and Owner.

D. Priming: When required, apply a primer. Do NOT allow it to pool or puddle.

E. Install backup materials as required to ensure that the recommended depth is regulated when using the backup material.

F. No exterior caulking should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless products are designed specifically for these conditions.

Caulk & Sealant Installation

A. Apply all caulks and sealants with manufacturer specifications in mind.

B. Do not apply to wet or damp surfaces.
   1. Wait at least 30 days before applying to new concrete or masonry, or follow manufacturer's procedures to apply appropriate sealants prior to 30 days.
   2. Wait until wood is fully dry after rain or morning fog or dew.

C. Apply sealants using methods recommended by manufacturer.

D. Uniformly apply caulks and sealants without skips, voids or sags. Tool bead to a consistent, smooth surface.

PVC, Plastic, Brick, Stone, Masonry, Marble, Stucco, Cementitious Siding, Vinyl Siding, Wood:

1. Exterior Polyurethane:
   Sherwin-Williams Loxon S1

Concrete: Vertical Applications

1. Exterior Polyurethane:
   Sherwin-Williams Loxon S1

Concrete: Horizontal Applications

1. Exterior Polyurethane:
   Sherwin-Williams: Loxon SL1 One Component Self Leveling for Horizontal Surfaces

Gaps: Window & Door Frames

1. Interior/Exterior Insulating Foam:
   Sherwin-Williams STOP GAP! Minimal Expanding Insulating Foam

Gaps: Large Areas

1. Interior/Exterior Insulating Foam:
   Sherwin-Williams STOP GAP! Triple Expanding Insulating Foam

Glass: Glazing

1. Exterior Latex:
   Sherwin-Williams White Lightning Window & Door Siliconized Acrylic Latex Glazing Compound

Glass: Non-Structural Sealing

1. Exterior:
   Sherwin-Williams White Lightning All Purpose Silicone Ultra

Metal: Ferrous and Non-Ferrous

2. Exterior Polyurethane:
   Sherwin-Williams Loxon S1 One Component Smooth

EIFS

1. Exterior Polyurethane/Silicone Hybrid:
   Sherwin-Williams Loxon H1 One Component Polyurethane/Silicone Hybrid

SHERWIN-WILLIAMS.

Contractor Responsibilities

Pre-Bid

It is recommended that a pre-bid meeting be conducted with all interested parties attending. The purpose is to review the general requirements of the project and perform a general inspection. The meeting shall be assigned at the owner's discretion. The time, date, and place are also at the owner's discretion. Sherwin-Williams will also attend the meeting. It is the responsibility of the bidder to fully understand the scope of work and the conditions under which work is to be performed. Failure to attend shall not relive a bidder from full performance of any contract awarded to the satisfaction of the solicitor. Bidders are strongly recommended to attend.

Scope of Work

Work in general includes surface preparation, surface repair, caulking, sealants, patching and application of the paint coating to the substrates and systems outlined in this specification and approved by owner or owner's agent.

Materials

1. All materials specified are from The Sherwin-Williams Company.

2. All paints shall be delivered to the job site in the original container with the manufacturer's label intact.

3. The paint shall be used and applied per label and data sheet instructions. The material shall not be thinned or modified in any way unless specified herein. Manufacturer's recommendation for proper surface preparation shall be followed. All data sheets on specified materials are available from your local Sherwin-Williams representative or www.paintdocs.com.

4. All paint and sundries at the job site shall be available for inspection at any time upon commencement of the job by the owner, owner's agent, or a Sherwin-Williams representative.

Protection of Substrates Not to be painted

1. Contractor shall protect his/her work at all times and shall protect all adjacent work and materials by suitable covering or other methods during progress of work. The contractor will protect all adjacent areas not to be painted by taking appropriate measures. Areas to be protected are windows, brick, surrounding lawn, trees, shrubbery, floor and steps. Upon completion of work, he/she shall remove all paint droppings and over-spray from floors, glass, concrete and other surfaces not specified to be painted.

Minimum Specifications

1. If instructions contained in this specification, bid documents or painting schedule are at variance with the paint manufacturer's instructions or the applicable standard, and codes listed, surfaces shall be prepared and painted to suit the higher standard, as determined by Sherwin-Williams, the customer or management representative.

Resolution of Conflicts

1. Contractor shall be responsible for stopping work and request prompt clarification when instructions are lacking, when conflicts occur in the specifications and/or paint manufacturer's literature, or the procedures specified are not clearly understood. Any questions concerning these specifications should be clarified prior to commencing the job. Any changes to these specifications would require written approval by Sherwin-Williams, the customer or customer's representative.

Coordination of Work

1. The general contractor and subcontractor shall be responsible for coordination of his work with the other crafts and contractors working on the same job and with the Management Company or owner.

Safety

1. All pertinent safety regulations shall be adhered to rigidly. In addition, all safety noted on the manufacturer's Product Data Sheets and labels shall be observed. Material Safety Data Sheets and Product Data Sheets are available from your local Sherwin-Williams store or representative or by visiting www.sherwin-williams.com.

2. Verify the existence of lead-based paints on the project. Buildings constructed after 1978 are less likely to contain lead-based paints. If lead-based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting Rule or similar state regulation. Verify that owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings.

Jobsite Visitation

1. The contractor shall be responsible for visiting the jobsite and familiarizing himself with the job and working conditions.

2. All work during application is subject to inspection by the owner or his representative.

3. It will be the paint contractor's responsibility to own and use a wet film thickness gauge to check his application thickness as he proceeds.

4. Contractor and owner have complete responsibility for ensuring that the project specifications are followed, notwithstanding periodic visits to the project by any Sherwin-Williams representative.

5. Any questions concerning these specifications should be clarified prior to commencing the job. Any changes to these specifications would require written approval of the owner, agent, or Sherwin-Williams representative.

Surface Preparation

1. Each surface shall be cleaned, scrapped, sanded and prepared as specified. The painting contractor is responsible for the finish of his work. Should any surface be found unsuitable to produce a proper paint or sealant finish, the project representative shall be notified, in writing, and no materials shall be applied until the unsuitable surfaces have been made satisfactory. Commencing of work in a specific area shall be construed as acceptance of surfaces and thereafter as fit and proper to receive finish. Contractor shall be fully responsible for satisfactory work.

2. All deteriorated or delaminated substrates (i.e. wood, hardboard siding, T-111, stucco and masonry surfaces) shall be replaced with new materials. New substrates will be box primed (6 sides) before installation in accordance with specifications. Delaminating substrate is defined as a substrate surface that paint is being applied to lifting or peeling away from the previous coating/s or original substrate/s.

3. All exterior surfaces to be painted shall be pressure cleaned, scrapped to remove all dirt, mildew, peeling paint, chalk and any foreign materials detrimental to the new finish (see Pressure Washing).

4. Thoroughly sand all glossy surfaces to create a profile for paint and/or primer to adhere to.

5. Apply caulks and sealants where appropriate. All existing underperforming caulks or sealants should be removed and replaced with sealant as specified. Allow sealant to cure for specified time in dry weather before paint is applied. **NOTE**: It is recommended to apply all primers first and then apply sealant before topcoat is applied. See specified sealants section.

6. Knots and pitch streaks shall be scraped, sanded and spot primed before full priming coat is applied. All nail holes or small openings shall be patched after priming coat is applied. Any wood that is rotten, cracked, delaminated or water damaged should be replaced. Any loose or peeling paint should be removed by sanding and scraping. All hard, glossy surfaces should be sanded down to create a profile for new paint to adhere. Fill nail holes, imperfections and cracks with putty (color to match primer). Edges, corners and raised grain shall be prepared by sanding. Apply sealants to all joints between wood items with a specified sealant.

7. All masonry surfaces should be scrapped and cleaned to remove all peeling paint, delaminated surfaces or substrates, chalk, dirt, stains, efflorescence and other surface contaminants. These areas shall be pressure washed and scrubbed with a cleaner/degreaser solution. After cleaning if there is still chalk evident this should be brought to the owner's attention in writing before any further work is done. Use an industry accepted patch or filler to assure a visually aesthetic finished substrate. Any masonry surface should be toughly tested to assure the surface pH levels are within accepted range of coating/s to be applied.

8. Brick must be free of dirt, loose or peeling paint, loose and excess mortar, delaminating layers of the brick, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Conditioner. Any areas of breakage shall by patch and dried using specified Sherwin-Williams patching compound in accordance with Product Data Sheet instructions before coatings are applied.

9. All galvanized gutters and flashing should be thoroughly cleaned and sanded to remove loose and peeling paint. Any bare galvanized metal should be wiped down with a non-petroleum solvent cleaner.

10. All ferrous metals should be thoroughly cleaned and all loose rust or mill scale be removed by wire brush, scraper and/or power tool, such as an electric drill with wire brush attachment. Any rust spots or bare metal should receive the specified prime coat. Any hard, glossy surfaces should be sanded or dulled. Previously painted hand rails in sound condition should be washed down with a strong degreasing cleaner such as Krud Kutter, M-1 House Wash or Simple Green.

11. All vinyl siding should be clean thoroughly by scrubbing with a warm, soapy water solution. Rinse thoroughly. Do not paint vinyl siding with any color darker than the original color, unless the product and color are designed for such use. Painting with darker colors may cause siding to warp.

12. Cement Composition Siding/Panel/Fiber Cement Sidings : Remove all surface contamination by washing with ar appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Pressure clean, if needed, to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. The pH of the surface should be 7 or less, unless the products are designed to be applied to high pH substrates..

13. EIFS: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Remove and replace any peeling or delaminating surfaces. Replace EIFS to manufactures recommendation

Moisture

All areas that could cause paint failure due to moisture should be addressed and eliminated. This would include but is not limited to:

1. Gutters and downspouts not working properly.
2. Previous coats of paint not adhering properly.
3. Wood checking (cracks and splits in wood).
4. Deteriorated caulking or sealant.
5. Gaps between substrates.
6. Rotten wood.
7. Areas affected by water splashing.
8. Painting in inclement weather.
9. Painting an un-dry substrate.
10. Un-caulked nail holes.

Pressure Washing & Surface Preparation

1. Pressure wash or water blast to remove oil, grease, dirt, loose mill scale and loose paint by water at pressures of 2500-3000 p.s.i. Power tool clean per SSPC-SP3 to remove loose rust and mill scale. Hand tool clean per SSPC-SP2 and sand all glossy surfaces to promote adhesion.

2. Remove mildew per the following:
   b. Tools: Stiff brush, garden pump sprayer or chemical injector power washer method.
   c. Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Application

1. Contractor shall be responsible for notification of owner's representative before beginning work if conditions substantially exceed Scope of Work.

2. Contractor shall protect his/her work at all times and shall protect all adjacent work and materials by suitable covering or other method during progress of the work. Upon completion of work, he/she shall remove all paint and varnish spots from floors, glass and other surfaces. He shall remove from premises all rubbish and accumulated materials of whatever nature not caused by others and shall leave his part of work in a clean, orderly, and acceptable condition.

3. Remove and protect hardware, accessories, device plates, lighting fixtures, factory finished work and similar items or provide ample in-place protection. Upon completion of each space, carefully replace all removed items.

4. Cover all electrical panel box covers and doors before painting walls. Omit if covers have been previously painted.

5. Materials shall be applied under adequate illumination, evenly spread and flowed on smoothly to avoid runs, sags, holidays, brush marks, air bubbles and excessive roller stipple. The finished paint film should be a consistent color and sheen to provide a uniform appearance.

6. All coats shall be dry to manufacturer's instructions before applying additional coats.

7. Any masonry surface with an elevated pH level or "hot spots" shall be sealed with a suitable primer/sealer prior to application of finish coat. High pH is considered at a level of 7 pH or greater.

8. When spray painting is specified, contractor shall finish 100 square feet by spraying a sample of finish upon request of owner. This shall be finished with materials specified and shall be called a Pilot Wall.

9. Exterior doors with paintable tops, bottoms, and side edges should be painted or sealed using the Door Manufacturer's paint specification and recommendations.

10. Building by building inspections will be made by the owner or his representative. If requested, a Sherwin-Williams representative may participate in these visits for technical consultation.

11. All repairs, replacements and applications are to meet or exceed all manufacturers' and attached specifications.

12. Elastomeric coatings shall not be applied directly over pre-existing elastomeric coatings.

13. Coverage and hide shall be complete. When color, stain, dirt, or undercoats show through final coat of paint, surface shall be covered by additional coats until paint film is of uniform finish, color, appearance and coverage (regardless of amount of coats specified).

Workmanship & Application Conditions

2. Keep surface dust, dirt and debris free before, during, and after painting, until paint is cured.

3. Execute work in accordance with label directions. Coating application shall be made in conformance to this specification and to the manufacturer's paint instruction on the labels and Product Data Sheets.

4. All work shall be accomplished by persons with the necessary skill and expertise and qualified to do the work in a competent and professional manner.

5. All shrubbery, outside carpeting and sprinkler systems shall be fully protected against damage during each stage of the painting project.

6. Paint all previously painted surfaces, including, but not limited to: stair systems, light poles and fixtures, pool fence, and underside of balconies. Any potentially hazardous substrate shall be reviewed with owner and owner's agent. All necessary safety precautions must be fully taken to ensure worker's safety.

7. All exterior substrates designated not to receive paint coatings shall be kept free of paint residue, i.e., windows, outdoor carpeting, walkways, etc.

8. Owner shall provide water and electricity from existing facilities.

9. Normal safety and "wet paint" signs, necessary lighting and temporary roping off around work areas shall be installed and maintained in accordance with OSHA requirements while the work is in progress.

10. A progress schedule shall be furnished by the contractor to the owner for approval and shall be based on the contract completion date. Contractor shall advise the owner of those areas in which work is to be performed sufficiently in advance of the work schedule to permit the owner to prepare for the work, advise residents, move vehicles, etc.

11. Do not paint over any code required labels or any equipment identification, performance rating, name or nomenclature plates.

12. Coverage and hide shall be complete. When color, stain, dirt, or undercoats show through final coat of paint, surface shall be covered by additional coats until paint film is of uniform finish, color, appearance and coverage (regardless of amount of coats specified).

Weather

1. All materials are to be applied in accordance with the product data page in regards to weather conditions. Stop exterior work early enough in the day to permit paint film to set up before condensation caused by night temperature drops occurs.

2. Do not begin painting until surfaces are moisture free.

Color Schedule

1. **To be approved by owners.**
   - **Recommendation: Perform mock-ups for approval**

2. The owner and project coordinator should be aware that certain colors, especially darker tones, fade more rapidly than other colors, regardless of the product manufacturer, product type, or substrate to which the product is applied. It is advisable for the owner, project coordinator, and/or person responsible for color selection to consult with Sherwin-Williams early in the planning stage to assure the most durable combination of tinting formulation is used to achieve the desired color. Additionally, color selection affects the hiding ability of the finish coats.

Maintenance Guide

1. Upon conclusion of the project, the Contractor or paint manufacture/supplier shall furnish a coating maintenance manual, such as Sherwin-Williams "Custodian Project Color and Product Information" report or equal. Manual shall include an Area Summary with finish schedule, Area Detail designating where each product/color/finish was used, product data pages, Material Safety Data Sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

This specification has been written for the purpose of identifying the products and procedures to be followed based upon the scope of work herein defined. A preliminary visual inspection was performed prior to writing these specifications. However, the inspection and these specifications do not necessarily encompass certain preexisting conditions and/or inherent problems that may exist in the building structure. These conditions may be, but are not limited to: faulty roof or window structures, stucco and/or masonry degradation, loose railing stanchions and/or any other existing conditions which may directly or indirectly affect the adhesion and performance of any newly applied coating system. Therefore, it may be necessary to solicit the expertise of an engineer to determine any additional remedies to be implemented in conjunction with these specifications.

Specifications or label directions should be thoroughly understood and followed to comply with all warranty requirements. Any deviation from this specification, product label directions, or product data pages without consent from the appropriate management of Sherwin-Williams may result in the voiding of all warranties. The contractor will be solely responsible for all warranty claims made on any warranty that has been found void.

This specification has been prepared for your project by
The Sherwin-Williams Company

BUILDING TRUST

PRODUCT DATA SHEET

Sikaflex®-2c NS TG

Two-component, traffic-grade, polyurethane elastomeric sealant

PRODUCT DESCRIPTION

SikaOex^-2c NS TG is a premium-grade, polyurethane-based elastomeric sealant. It is principally a chemical cure in a non-sag consistency. Available in 35 standard colors (>320 special colors) with a convenient Colorpak. Also available as a pre-pigmented product in Limestone Gray. Meets ASTM C920, Type M, Grade NS, use T, NT, O, M, G, A and Federal Specification TT-S-00227E. Product developed by addition of Sikaflex^-2c NS TG Component to the standard Sikaflex 2c NS EZ Mix joint sealant.

USES

- Applications to include: parking garages, walkways, plazas, platforms, etc., with exposure to foot or pneumatic-tire traffic
- Intended for horizontal joints with a minimum depth of 1/2 in. (12.7 mm)
- Placeable at temperatures as low as 40 °F (4 °C)
- Adheres to most substrates commonly found in construction
- Acceptable for sealing joints in institutions, correctional facilities, etc., as a tamper resistant sealant

CHARACTERISTICS / ADVANTAGES

- Capable of + 25K joint movement
- Chemical cure allows the sealant to be placed in joints exceeding 1/2 inch (25.4 mm) in depth
- Tough, durable, flexible consistency
- Exceptional cut and tear resistance
- Exceptional adhesion to most substrates without priming
- Color uniformity assured via Color-pak system or pre-pigmented Limestone Gray
- No Color-pak needed in pre-pigmented Limestone Gray
- Jet fuel resistant

PRODUCT INFORMATION

Packaging	1.5 gal. unit (5.7 L) of Sikaflex 2c NS EZ Mix plus 2.63 fl. oz. (0.08 L) of Sikaflex NS TG component. Color-pak is also purchased separately. Limestone Gray color available pre-pigmented
Color	A wide range of architectural colors are available. Special colors available on request
Shelf Life	12 months in original, unopened containers

Storage Conditions	Store dry at 40-95 °F (4-35 °C). Condition material to 65-75 °F (18-24 °C) before using.

TECHNICAL INFORMATION

Shore A Hardness	45 + 5	(2T days at 73 'F (23 "C) and 50 % R.H.) (ASTM D-2240)
Tensile Strength	220 psi	(21 days at 73"- F (23" C) and 50% R.H.)(ASTM D-412j
Tendle stress at specified elongation	140 psi at 100 %	(21 days at 73" F (23" C) and 50 % R.H.J (ASTM D-4J2)
Elongation at Break	300 %	(21 days at 73 °F (23 "Cl and 50 % R.H.) (ASTM D-412)
Adhesion in peel	Concrete Peel Strength: 25 lb. (11.3 kg) Adhesion Loss: 0 %	(73 °F (23 °C) 50 % R.H.) (TT-S-00230C, ASTM C-794)
Movement Capabilt:y	+ 25 %	
Chemical ResisBnce	Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service at 1-800-933-SIKA for specific data.	
Resistance to Weathering	Excellent	
Service Temperature	-40—170 °F (-40-75 °C)	

APPLICATION INFORMATION

Coverage

I gallon: Yield i» unear feet

Width/Depth	1/4"	3/8"	1/2"
1/4"	307.9		
3/8"	205.3	136.8	
1/2"	153.9	102.6	77.0
3/4"	102.6	68.4	51.3
1"			38.5
1.25"			30.8
1.5"			25.7

Ambient Air Temperature	40-100 °F, ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.
Substrate Temperature	40-100 °F, ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- The ultimate performance of Sikaflex®-2c NS TG depends on good joint design and proper application.
- Sealant depth for horizontal joint subject to traffic must be 1/2 in. (12.7 mm)
- Maximum expansion and contraction should not exceed 25 9• of average joint width.
- Protect $ikaflex®-2c NS TG Component from moisture. Use entire contents of container.
- Maximum addition rate of TG Component is one 2.63 fl oz or (0.2 L) container/unit of Sikaflex®-Zc NS TG.
- Do not cure in the presence of curing silicones.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Allow 3 day cure before subjecting sealant to total water immersion. Primer is required if sealant will be subjected to total water immersion.
- Do not apply when moisture vapor transmission exists since this can cause bubbling within the sealant.
- Avoid over-mixing sealant.
- White color tends to yellow over time when exposed to ultraviolet rays.
- When over-coating, an on-site test is recommended to determine actual compatibility and adhesion.
- Rigid coatings, paints or primers can crack when applied over elastomeric sealants that experience

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movement.

- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm).
- Do not tool with detergent or soap solutions.
- Do not use in contact with bituminous/asphaltic materials.

ENVIRONMENTAL, HEALTH AND SAFETY

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

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All joint-wall surfaces must be clean, sound, and frost-free. Joint walls must be free of oils, grease, curing compound residues, and any other foreign matter that might prevent bond. Ideally, this should be accomplished by mechanical means. A roughened surface will also enhance bond. Bond breaker tape or backer rod must be used in bottom of joint to prevent bond.

Priming is typically not necessary. Most substrates only require priming if sealant will be subjected to water immersion after cure. Testing should be done, however, on questionable substrates, to determine if priming is needed. Consult Technical Service or Sikaflex^ Primer Technical Data Sheet for additional information on priming.

MIXING

Pour entire contents of Component 'B' and Sikaflex®-2c NS TG Component into pail of Component 'A'. For tint base: add entire contents of Color-pad into pail and mix with a low-speed drill (400-600 rpm) and Sikaflex^ paddle. ' Mix for 3-5 minutes to achieve a uniform color and consistency. SCrape down sides of pail periodically. Avoid entrapment of air during mixing.' For pre-pigmented limestone base: just mix with low speed drill and Sikaflex^ paddle without Color-pak.

APPucxTiON METHOD/TOOLS

Recommended application temperatures 40-100 °F (4-38°C). Pre-conditioning units to 65-75 °F (18—24 °C) is necessary when working at extremes. Move pre-conditioned units to work areas just prior to application. Apply sealant only to clean, sound, dry, and frost-free substrates. Sikaflex®-2c NS TG should be applied into joints when joint slot is at mid-point of its designed expansion and contraction. To place Sikaflex NS TG, load directly into bulk gun or use a follower plate loading system. Place nozzle of gun into bottom of joint and fill entire joint. Keeping the nozzle deep in the sealant, continue with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air. Tool as required. Proper design is 2:1 width to depth ratio.

Tooling and Finishing
Tool as required. Proper design is 2:1 width to depth ratio.

Removal
Uncured material can be removed with xylene. Strictly follow solvent manufacturer's warnings and instructions for use. Cured material can only be removed mechanically. In case of spillage, wear suitable protective equipment, collect with absorbent materials and dispose of in accordance with current, applicable local, state, and federal regulations.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCI.AIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNMS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE UABLE UNDER ANY LEGAL THEORY FOR SPEOALOR CONSEQUENTIAL OAMAGES. 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 to the Terms and Conditions of Sale which are available at https://usa.sika.com/en/group/SikaCorp/termsandconditions.html or by calling 1-800-933-7452.

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BUILDING TRUST

Sikalastic" FTP Primer

Two-component, low odor, fast curing water-based primer

PRODUCT DESCRIPTION

Sikalastic" FTP Primer is a two-component, waterborne epoxy diluted with water in the field.

USES

Use with Sikalastic" Traffic Systems as a primer on concrete, cementitious or plywood surfaces exposed to vehicular or pedestrian traffic. Refer to the Sikalastic* 710/715/735 AL Traffic System, Sikalastic^ 710/715/736 LoVOC Traffic System and Sikalastic" 720/745 Traffic System Product Data Sheets for system application instructions as well as limitations.

CHARACTERISTICS / ADVANTAGES

- Low VOC
- Fast dry time
- Low odor

PRODUCT INFORMATION

Packaging	Sikalastic* FTP Primer is packaged in pre-proportioned kits, both diluted with water in the field. 7gal. kit - two 1 gal. cans Part A and two short-filled pails Part B (1.25 gal. each). Kit yields 7 gal. after dilution with 2.S gal. water (see mixing instructions). 1 gal. kit - short filled can of Part A (0.28 gal.) and a short filled gallon can Part B (0.35 gal.). The kit will yield one gallon of mixed product after dilution with 0.35 gal. water. \see mixing instructions).	
Shelf Life	2 years in original unopened container under proper storage conditions.	
Storage Conditions	Store dry between 4&-90 °F (4-32 °C). Condition material to 65—85 °F (18—30 °C) before using.	
Volatile organic compound (VOC) con-	98 g/L	(ASTM D-2369)

TECHNICALINFORMATION

Tensile Adhesion Strength	> 400 psi (100 % concrete failure)	(ACI 503R, Appendix A)

APPLICATION INFORMATION

Coverage	Approximately 300 ft.²/gal. Porous and rough substrates will increase consumption.
Pot Mfe	Approx. 1 hour at 77 °F (25 °C) and 50 % relative humidity
Cure Time	3-4 h at 77 °F (25 °C) and 50 °4 relative humidity
Waiting / Recoat Times	Up to 48 h at 77 °F (25 °C)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Concrete surface must be clean, sound and dry. 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 shot blasting to a minimum of(CSP 3-4 as per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate. The compressive strength of the concrete substrate should be at least 3500 psi at 28 days and at least 250 psi in tension at the time of application of Sikalastic• FTP Primer.

MIXING

7 gal. kit: It is important to remember that this coating has a limited pot life of approximately 1 hour at 77 °F (25 °C) and 50 'ro relative humidity. Do not use beyond this frame regardless of whether or not the product appears to still be usable. Review that all surface preparation is complete and application equipment is in good working order before starting the mixing sequence.

1. Premix each component. Sikalastic* FTP Primer, Part B is dark olive green in color and may appear black in the container. Sikalastic^ FTP Primer, Part A is light amber in color.
2. Add the 1 gallon of Sikalastic* FTP Primer, Part A to the 1.25 gallons of Part B in the short filled Part B pail.
3. Mix thoroughly with a low speed (300—500 rpmj drill with Jilly paddle for a minimum of 3 minutes. The mixture will appear as a uniform light olive green color.
4. Slowly add 1.25 gallons of potable water to the mixture under agitation.
5. Mix for a minimum of 2 additional minutes until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in co|or.

1 gal. kit: It is important to remember that this coating has a limited pot life of approximately 1 hour at 77 °F (25 °C) and 50% relative humidity. Do not use beyond this frame regardless of whether or not the product appears to still be usable. Review that all surface preparation is complete and application equipment is in good working order before starting the mixing sequence.

1. Premix each component. Sikalastic" FTP Primer, Part B is dark olive green in color and may appear black in the container. **Sikalastic*** FTP Primer, Part A is light amber in color.
2. Add the 0.28 gallons of Sikalastic* FTP Primer, Part A to the 0.35 gallons of Part B in the short filled Part B can.
3. Mix thoroughly with a low speed (300-500 rpm) drill with Jiffy paddle for a minimum of 3 minutes. The mixture will appear as a uniform tight olive green color.
4. Slowly add 0.35 gallons of potable water to fill the gallon can under agitation.
5. Mix for a minimum of 2 additional minutes until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in color.

NOTE: The order that the FTP components are mixed is critical to the performance of this product. Failure to mix properly may result in an incomplete cure, despite a dry appearance.

APPUCATION

Apply yylth flat squeegee or roller at the recommended rate. Allow for sufficient wetting of the slab and backroll, utilizing a /" or %" nap roller to eliminate puddles on the surface of the slab. Minimize the overlap from batch to batch or bead-to-bead applications while achieving complete slab coverage, as these areas of overlap may not bond.

Removal

Remove wet primer with MEK, xylene, or oxygenated solvents. Once cured, primer can only be removed by mechanical means. Strictly follow solvent manufacturer's warnings and instructions for use.

Over Painting

SikaJastic^ FTP Primer has a recoat window of up to 48 hours. Do not apply a second coat of Sikalastic" FTP Primer, as it will not properly bond. There is no need for additional mechanical or chemical preparation of the Sikalastic^ FTP Primer prior to the installation of the topcoat, if recoated with in the recoat window, and the Sikalastic^ FTP Primer has not been exposed to foot or vehicular traffic or similar. If the recoat window is

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missed (48 hours) the surface requires grinding or screening with 80 grit, followed by a broom sweep and vacuum, prior to reapplication of Sikalastic® FTP Primer.

LIMITATIONS

- Product must be protected from freezing. If frozen, discard.
- To avoid dew point conditions and prolonged cure during application, relative humidity must be no more than 85 % and substrate temperature must be ate last 5 °F (3 °C) above measured dew point temperatures.
- Minimum ambient and substrate temperature during application and curing of material is 41 °F (5 °C); maximum is 90 °F (32 °C). Frequent monitoring of ambient and substrate temperature should always be done when applying epoxy primers. Note that low temperatures will slow down the cure, and high temperatures will acceelrate it.
- Do not apply on substrates with moisture content greater than 4 % by weight, measured by a Tramex CME or CMExpert type concrete moisture meter.
- Minimum age of concrete must be 21—28 days depending on Euringa nd drying conditions.
- The compressive strength of the concrete substrate should be a tleast 3500 psi at 28 days and at least 250 psi in tension at the time of application of Sikalastic® FTP Primer.
- Do not thin with solvents.
- Do not store materials outdoors exposed to sunlight and moistuer for prolonged periods.
- Do not apply to substrate surfaces where moisture vapor transmsision will occur during application and cure. This condition may be checked using ASTM D-4263 (Polyethylene Sheet method).
- Substrate must be dry prior to application. Do not apply to a rfosted, wet or damp surface. Allow sufficient time for the substrate to dry after rain or inclement weather, as there is the potential for bonding problems.
- Protect freshly applied primer from freezing, dampness, condensation and water prior to top coating.
- Not intended for immersion applications, or any use where moisture can reach the underside of the primed surface.
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature. If applied during rising temperature pinholing may occur.
- Precautions should be taken to prevent vapors and/or odors from entering the building/structure, including but not limited to turning off and sealing air intake vents and throughwall air conditioners, and other means of vapor/odor ingress during application and cure.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various product solutions). Surface irregularities may reflect through the cured system. When applying over existing coatings or membranes compatibility and adhesion testing, and subsequent approval by Technical Services is required.
- On grade, lightweight concrete, asphalt pavement, or insulateds plit slab applications, or 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 membar nes require further technical evaluation prior to coating with Sikalastic^ Traffic Systems - the use of a moisture tolerant primer such as Sikalastic^ MT primer is required - contact Sika regarding recommendations.
- Not recommended for metal substrates.
- Primer is not UV stable and must be topcoated

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

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LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. NO OTRIER WARRANTIES EXPREM OR IMPMED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABIMT¥ OR FITNMS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIALOR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY O3TIER INTEMCTUAL PROPERTY RIGHTS HELD BY OTHERS.

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Product Data Meet
Sikatastic' FTP Prim
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BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic®-710 Base

SINGLE COMPONENT, ELASTOMERIC, CRACK-BRIDGING, WATERPROOFING BASE COAT

PRODUCT DESCRIPTION

Sikalastic®-710 Base is a single component, aromatic, moisture cured, elastomeric polyurethane coating intended for use as the waterproofing base coat under polyurethane or epoxy wearing surfaces for pedestrian and vehicular applications, and as the waterproofing base coat with a protective polyurethane top coat under a separate wearing course such as concrete, and tile in a setting bed.

USES

Sikalastic®-710 Base may only be used by experienced professionals.

- Multi-story parking garages
- Parking decks and ramps
- Foot bridges and walkways
- Mechanical rooms
- Stadiums and arenas
- Plaza and rooftop decks
- Balconies

CHARACTERISTICS / ADVANTAGES

- Excellent crack-bridging properties and flexibility, even at low temperatures
- Resistant to water and deicing salts
- Alkaline resistant

PRODUCT INFORMATION

Packaging	5 gal. pails, 50 gal. (net) drums	
Shelf Life	12 months in original, unopened containers	
Storage Conditions	Store dry at 40-95 °F (4—35 °C). Condition material to 65-85 °F (18-30 °C) before using.	
Solid content by volume	71 %	(ASTM D-2697)
Viscosity	6500 3000 cps	

Volatile organic compound (VOC) content See Product Safety Data Sheet

TECHNICAL INFORMATION

Shore A Hardness	75 +/- 5 (75 °F (24 °C) and 50 % R.H.)	(ASTM D-2240)
Tensile Strength	800 +/- 100 psi (75 °F (24 °C) and 50 % R.H.)	(ASTM D-412)
Elongation at Break	500 +/- 50 % (75 °F (24 °C) and 50 % R.H.)	(ASTM D-412)
Tear Strength	170 +/- 25 pli (75 °F (24 °C) and 50 % R.H.)	(Die C, ASTM D-624)
Chemical Resistance	Resistant to deicing salts, and alkaline concrete and cementitious mortars/tile adhesives	

APPLICATION INFORMATION

Coverage	50 sf/gal. at 32 wet mils (23 dry mils) Coverage rates provided are intended to achieve required wet film thickness under optimal conditions. Additional material may be required depending on substrate surface roughness and porosity, material and substrate temperatures, and other site-dependent factors. This will result in a lower coverage rate.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

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 temperature.
- Maximum moisture content of substrate: 4 % by weight with Sikalastic® Primer , Sikalastic® FTP primer, Sikalastic® PF LoVOC Primer and 6 % by weight with Sikalastic® FTP LoVOC Primer , Sikalastic® 100 VB primer.
- Minimum ambient and substrate temperature during application and curing of material is 40 °F (4 °C); maximum is 95 °F (35 °C).
- Do not store materials outdoors directly exposed to sunlight and moisture. Cover and protect materials with breathable type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Observe temperature storage and conditioning requirements.
- 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 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.
- Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and for vapors into the building/structure during product application and cure.
- 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 a between-slab membrane require further technical evaluation and priming with a moisture-tolerant primer - contact Sika regarding recommendations.
- Waterproofing applications under overburden, including concrete pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion or ponding water.
- Sikalastic®-710 Base is not US stable and must be top coated or protected by a separate wearing course.
- Primer coat must be kept clean and recoated within

open window time . 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.
- Cracks or ruptures which develop in the structure after the waterproofing traffic system has been installed will not be bridged by the waterproofing traffic system and need to be repaired according to the recommended standard crack treatment details per this PDS.

ENVIRONMENTAL, HEALTH AND SAFETY

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APPLICATION INSTRUCTIONS

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® sealant and detailed and may need embedded fabric reinforcement. Preferred primer is Sikadur®-22 Lo-Mod FS, offers the best substrate for the ensuing Sikalastic® system on Plywood.

Metal - Metal must be in sound condition. The surface should be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products and other foreign matter. Be aware of dew point and check it before every application on metal surface.

- Ferrous Metals: Must be prepared to SSPC-SP6/NACE 3. For areas where SSPC-SP6/NACE 3 is prohibited or not feasible, substrate can be thoroughly cleaned by grinding or other power tools per SSPC-SP11.
- Non-Ferrous Metals: Prepare to a bright metal surface. Wire brushing can be used for soft metal such as copper or lead.
- Galvanized Steel: White rust must be removed from galvanized steel, with care taken not to damage or remove the galvanizing.
- Stainless Steel: Must be mechanically abraded or ground to create an appropriate anchor profile.

Priming

Primer Selection - determine maximum moisture content of concrete substrate by weight with a Tramex CME or CMExpert type concrete moisture meter.

Sikalastic® Primer - For concrete decks with a maximum moisture content of 4 % by weight, apply Sikalastic® Primer with a flat squeegee or phenolic resin core roller at approximately 250 - 300 sf/gal. and work well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Sikalastic® Primer is not suitable for metal substrates. Refer to separate primer data sheet for additional information.

Sikadur®-22 Lo-Mod FS - For concrete with a maximum moisture content of 4 % by weight, plywood decks, and existing polyurethane coatings, apply a single coat application of Sikadur®-22 Lo-Mod FS with a flat squeegee or roller at approximately 10 mils at 260 sf/gal. Apply evenly without puddling. Allow primer to cure until tack-free, typically 2-4 hours (at 75°F (24°C) 50 % R. H). Sikadur®-22 Lo-Mod FS should be overcoated within 36 hours after tack-free. Refer to a separate product data sheet for additional information.

Sikalastic® FTP Primer - For concrete decks with a maximum moisture content of 4 % by weight, and for weathered plywood decks, apply Sikalastic® FTP Primer with a flat Squeegee or phenolic resin core roller at approximately 300 sf/gal. and work well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Sikalastic® FTP Primer is not suitable for metal substrates. Refer to separate primer data sheet for additional information.

Sikalastic® PF Lo-VOC Primer - For concrete and plywood decks with a porous or rough *surface*, and for metal flanges and penetrations, use Sikalastic® PF Lo-VOC Primer. For exterior exposed concrete decks with a maximum moisture content of 4 % by weight, interior protected concrete decks with a maximum moisture content of 5 % by weight, and plywood decks, apply Sikalastic® PF Lo-VOC Primer with a flat squeegee or phenolic resin core roller at approximately 200 sf/gal. and work well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. For exterior exposed concrete decks with a maximum moisture content of 5 % by weight, two applications of Sikalastic® PF Lo-VOC Primer are required. Refer to separate primer data sheet for additional information.

Sikalastic® FTP LoVOC Primer - For concrete with a maximum moisture content of 5 % by weight, and for metal flanges and penetrations, apply Sikalastic® FTP LoVOC Primer with a flat squeegee or roller at approximately 175 sf/gal. For concrete decks with a

maximum moisture content of 6% by weight, apply two applications of Sikalastic• FTP LoVOC Primer with a flat squeegee or phenolic resin roller at approximately 175 - 220 sf/gal per application. Work primer well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Refer to separate primer data sheet for additional information.

Sikalastic• 1IXIVB - For concrete with a maximum moisture content of 5 % by weight, apply Sikalastic" 100 VB with a flat squeegee or roller at approximately 160 sf/gal. For concrete decks with a maximum moisture content of 6% by weight or applications, apply two applications of Sikalastic" 100VB with a flat squeegee or phenolic resin roller at approximately 260 sf/gal per application. Work primer well into the substrate to ensure adequate penetration and sealing and puddles are avoided. For applications as a moisture barrier and additonal information refer to seperate primer data sheet.

Sikalastic" Recoat Primer - For existing polyurethane coatings, incidental exposed concrete deck areas, and as an interlaminate primer, apply Sikalastic* Recoat Primer with a flat squeegee or phenolic resin core roller at approximately 300 sf/gal. and work will into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Sikalastic* Recoat Primer is not suitable for metal substrates. Refer to separate primer data sheet for additional information.

Sikalastic* EP Primer/Sealer - For Wood (timber, plywood), Metal (aluminum, galvanized, cast iron, copper, lead, brass, stainless steel, steel, zinc), and for existing asphaltic gravel roofs prior to Flood Coat application. Apply by brush or phenolic resin core roller at the recommended rate,100-250 sf/gal depending on the substrate. Correct amount of primer will saturate the substrate and leave a slight film on the substrate top surface. Apply evenly without puddling. Refer to separate primer data sheet for additional information

Sikadur*-22 Lo-Mod LT- For cold weather applications on concrete with a maximum moisture content of 4 % by weight and existing polyurethane coatings, apply a single coat application of Sikadur•-22 Lo-Mod LT with a flat squeegee or roller at approximately 160 sf/gal. Apply evenly without puddling. Allow primer to cure until tack-free, typically 2-4 hours | at 5O°F (10°C) 50 % R.H). Sikadur^-22 Lo-Mod LT should be overcoated within 36 hours after tack-free. Refer to a separate product data sheet for additional information

Detailing

For cracks less than 1/16" width: Apply a 23 mil detail coat of Sikalastic"-720 Base, extending 2" on either side and centered over the crack.

For cracks 1/16" width or greater and less **than 1" width:** Must be routed to at least X" by fi", and sealed with an appropriate Sikaflex• sealant, installed per sealant Product Data Sheet, and coated with a 23 mil detail coat of Sikalastic*-710 Base, extending 2" on either side and centered over the crack. Non-moving cracks can be filled with compatabile rigid repair materials.

NOTE: CracM may indicate a strunural issue and should de addressed dy a structural engineer or appropriate design professional.

For joints 1/16" or greater and up to 1" width: Joints should be sealed with the appropriate Sikaflex* sealant, installed per sealant Product Data Sheet. and coated with a 23 mil detail coat of Sikalastic^-710 Base, extending 2" on either side and centered over the crack.

For JoinU greater than 1" width: Should be treated as expansion joints and brought up through the system and/or use Emseal Expansion Joint. For additional questions please contact Sika Technical Services.

Fabric Reinforcement: An optional 3" or 6" wide Sikalastic Flexitape Heavy fabric strip may be embedded within the base coat. Flexitape width shall be chosen such that a minimum of 1" tape is embedded on either side of the crack/joint. Apply additional coating as required to fully embed the Flexitape in the coating.

f'anelized JoinU: Panelized joints that are restrained across the joint and without differential movement may be sealed and the deck coating, including detail coat, applied over the joint.

NOTE:movement within paneTized joints may cause deterioration of the aggregated wear coat, in which case the joints should de treated as expansion joints and brought up through the Sikalastic Traffic System and dealed with SiMflex* sealant. for additional questions please contact SikaDec olcal Services.

MIXING

Thoroughly mix coating using a mechanical mixer (Jilly) at slow speed until a homogenous mixture and uniform color is obtained (typically 1 minute). 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 16 hours at 70 °F and 50 % R.H. or until tack fee before top coating.

When used under an overburden system an additional coat of Sikalastic®-710 Base, fully broadcast, is required, allow coating to cure for a minimum of 72 hours before installing separate overburden such as tile.

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

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

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S/S

BUILDING TRUST

TUF TOP COATINGS sixcx is4x

DURAPLATE 289

HIGH PERFORMANCE CONCRETE ENAMEL

WATER-BASED

24-XX

DESCRIPTION

TUF-TOP DURAPLATE 259 is a single component, LOW V.O.C *LOW ODOR* pigmented acrylic coating. Based on Nano Technology, D-289 demonstrates outstanding adhesion to a wide range of substrates including most coatings. D-289 incorporates a chemical curing mechanism that achieves fast initial water resistance and curing, and continues to harden and cure for 7-10 days after application to give a harder, tougher finish and more marking resistance than conventional water-based coatings and even most solvent-based sellers.

USES/FEATURES

COMMERCIAL AND HIGH TRAFFIC WALKWAYS
POOL DECKS
WITHSTANDS OCCASIONAL PONDING WATER
EXCELLENT CLEANABILITY, EASY TOUCH UP
AUTOMOTIVE TRAFFIC**

**Njodcreate traffic entrys. parking garages. drop off zones.

PREPARATION

CONCRETE & MASONRY—Make sure concrete is sound and not crumbling. Dirt,oil, grease, mold and mildew, and any other contaminates must be removed from the surface and pores of the concrete. Remove oil, grease, and any other contaminants with strong detergent, TSP, or degreasers and rinse thoroughly. All mold, algae or mildew should be treated with a 2:1 bleach-water solution, scrubbed and rinsed thoroughly. Best results will be obtained by pressure washing the surface with at least 3000 psi to insure complete removal of the contaminates. Slick or smoothly trowelled bare concrete must be etched with a 2:1 muriatic acid solution until the concrete pores are opened up and a sandpaper-like (120-220) grit feel is given to the concrete. Acid must be thoroughly washed off after application.

*PREVIOUS COATINGS - All previous coatings must be compatible and in sound, well adhered condition. If unsure, apply a test patch and check dry adhesion with duct tape after 3 days, recheck after placing a soaking Wet towel on the coating for a minimum of4 hours. Dry the surface with a towell and immediately check the adhesion with duct tape. All unsound coatings must be removed to a sound surface. Thorough degreasing followed by pressure washing with at least 3000 psi and a 15 Deg. to insure all apparent and non apparent loose coating is removed is recommended. . Allow to dry a minimum of 24 hours before coating. May not adhere to some alkyd, epoxy, urethane, silicates or silicone modified coatings, a test patch is recommended.

APPLICATION- Apply with roller, brush, airless. or conventional type rayed. Roller nap size from 3/5" to 1 2", Microfiber or Quality shed resistant cover. For most applications, "thin" coats are preferred. Apply the first coat, allow to dry (2-4 hours depending on weather), and apply second coat. For best results do not dilute. Allow a minimum of 6 hours \ñ 70 deg F. *for* Lt. foot traffic.

DRYING TIME - formally dries in I -3 hours and can be walked on (Lt. foot traffic) when dry. 36-45 hours are suggested before heavy foot or vehicle traffic. Low temperatures and high humidity can extend drying and curing time.

DO NOT APPLY IF AIR AND/OR SURFACE TEMPERATURE IS 60 DEG. f, OR BELOW

Do not use pump type sprayers with this product, brush, roll or spray only.

COVERAGE

Smooth or Lt. Broom Finish	3/8" Microfiber roller	1st coat - 160-180s/fgl, 2nd coat 180-220 s/f gl.
Heavy broom or fresh knockdown	1/2" Microfiber roller	1st coat - I 50-170 s/fgl, 2nd coat I 75-200 s/fg1.
Previously coated (color dependent)	3/8" Microfiber roller	1st coat - 175-200 s/fgl, 2nd coat 225-250 s/f g1.

RECOMMENDED FILM THICKNESS IS 2.5 - 3.0 DFT FOR BEST PERFORMANCE

LIMITATIONS

Do not apply when air or surface temperatures are below 60°F or are expected to fall there before coating can dry.

Do not apply to a wet or damp surface or within 6 degrees of the dew point

May not adhere to some alkyd, epoxy, urethane, silicate or silicone modified coatings, a test patch and adhesion test is always recommended.

Do not apply when it may rain or if dew may condense on the surface before D-289 will have a chance to dry.

Do not allow to freeze. Store above 32°F(0°C).

ARPIX •• in costs only, overapplication may result in extended dry times or poor *durability.*

TIBSISA SMOOTH PAINTAND IT WILL GET SLIPPERYWHEN WET. IFTHE SURFACE HAS NOTALREADY BEEN TREATED TO REDUCE SLD•HAZARDS, SAND OR OTHER MATERIALSHOULDBE ADDED TO THIS PRODUCT BEFORE OR DURINGAPPLICATIONTO REDUCE TIHS CONDITION. IT ISTHE SOLE RESPONSIBILITYOFTHEAPPMCATOR OR OWNER TO DETERMINE THE SUITABILITYAND SAFETYOFAPPLYINGTHIS PRODUCTINAREASOF PEDESTRIANTRAF-

TECHNICAL DATA(WHITE)

VERA	150-250 sq. ft./gal depending on porosity and texture of substrate
DILUENT	Water
CLEAN-UP	Soap and Water
VOC CONTENT	<50 GR/LITER
OLDR	Very Slight
APPEARANCE	Color dependent
GLOSS	Satin-Semi
FILM TI-SICKNESS	2 coats required - 2.5-3.0 mil dft
LIGHT STABILITY	Excellent
DURABILITY	Excellent
WATER RESISTANCE	Excellent
GASOLINERESISTANCE	Fair
TENSILESTRENGTH	Excellent
BONDING	Excellent
SCUFF RESISTANCE	Excellent
EPAAIM CATAGORY	Floor coating

This coating though resistant, is not a guarantee against rubber marking or staining. All rubber compounds have the potential to leave brown to black bleed stains under certain conditions. To avoid this, do not use rubber backed mats. Silicone backed mats work very well park vehicles, carts and bikes on plexiglass, texan or carpet squares to avoid staining,

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TUF-TOP COATINGS Since 1948

DURAPLATE

COMMERCIAL
FLOOR, WALKWAY, DECK AND DRIVE COATING
APPLICATION INSTRUCTIONS

289-XX

NEW OR UNPAINTED CONCRETE

MAKE SURE THE CONCRETE IS SOUND AND NOT CRUMBLING, AND THAT THERE ARE NO SEATERS OR WATER REPELLENTS ON THE SURFACE.

2. SCRUB ALL GREASE AND OIL SPOTS WITH TSP OR OTHER STRONG DETERGENT. RINSE THOROUGHLY. REPEAT IF NEEDED.

3. KILL ALL MOLD, MILDEW AND ALGAE WITH 1:4 BLEACH:WATER SOLUTION , ALLOW TO DWELL 10-15 MINUTES THEN RINSE THOROUGHLY

4. PRESSURE WASB THE SURFACE THOROUGHLY(AT LEAST 3000 PSU TO REMOVE ALL EMBEDDED DIRT.

5. ACID CTCH ALL BARE CONCREM - DO NOT ETCH PAINTED OR COATED SURFACES
   SWOOTy OF STEEE TPOWLED WITH A SOLUTION OF 2 PARTS WATER TO 1 PART MURIAPC ACID.
   BROOM FINISHED CONCRETE — 1 PART ACID TO 4 PARTS WATER.
   ALWAYS ADD THE ACID TO THE WATER, NOT WATER TO THE PRESSURE WASH OR RINSE THOROUGHLY. REPEAT THE ABOVE UNTIL A MEDIUM SANDPAPER (120 GRID) TEXTURE IS ACHIEVED. AFTER ACID WASH. THE FLOOR MUST BE THOROUGHLY PRESSURE WASHED TO REMOVE ALL RESIDUE FROM THE ETCHING PROCESS. ALLOW THE SURFACE TD DRY AT LEAST 24 OR MORE HOURS UNDER FAVORASLf- CONDJTIONS.

6. APPLY THE FIRST COAT OF TUF-TOP DURAPLATE 289, ALLOW TO DRY (2 TO 4 HOURS), AND APPLY THE SECOND COAT. WILL WITHSTAND LT. FOOT TRAFFIC IN 2-4 HOURS DEPENDINCi ON WEATHER CONDITIONS. nL OW TO CURE FOR 48 TO 72 HOURS, DEPENDING UPON WEATHER CONDITIONS BEFORE ALLOWING HEAVY TRAFFIC. FULL CURE IS IN 7 10 DAYS

OVER OLD PAINT **

1. MAKE SURE THAT THE SURFACE IS SOUND AND NOT PEELING, LIFTHO OR FEARING.**
2. SCRUB THE SURFACE THOROUGHLY RTH DETERGENT TO REMOVE ALL DIRT, GREASE AND OIL.
3. PRESSURE WASH THE SURFACE THOROUGHLY (AT LEAST 3000 PSI) TO REMOVE ALL CONTAMINATES AND LOOSE COATINGS
4. ALLOW TO COMPLETELY DRY.
5. APPLY THE FIRST COAT AND ALLOW TO DRY 2 TO 4 HOURS.
6. APPLY THE SECOND COAT. WILL WITHSTAND LT. FOOT TRAFFIC IN 2-4 HOURS DEPENDING ON WEATHER Conditions, ALLOW TO DRY 48 TO 72 HOURS, DEPENDING UPON WEATHER CONDITIONS Before Act i+c v i TRAFFIC. FULL CURE IS IN 7-10 DAYS

CAUTION:
BE AWARE THAT SOME STAINED OR COATED SURFA CES MAY BECOME SLI1•PERY WHEN WET. IF THE SURFACE HAS NOT ALREADY BEEN TREATED TO REDUCE SLIP HAZARDS, *COARSE itMINO* D/DE, SAND OR OTHER GRITTY MATERIAL SHOULD BE ADDED TO THIS PRODUCT BEFORE OR DURING APPLICATION TO REDUCE THIS CONDITION. IT IS THE SOLE RESPONSIBILITY OF THE APPLICATOR OR OWNF.R TO DETERMINE THE SMTABILITY AND SAFETY OF APPLYING THIS PRODUCT IN AREAS OF PEDESTRIA N TRAFFIC.

** MAY NOT ADHERE SATESFACTORItLY TO EPOM'8, ALKYDS, URETHANES AND SEATERS. IF WCERTAIN, APPLY A TEST PATCH AND CHECK *#DHESIOR* WITH DUCT TAPE AFTER 48 TO 72 HOURS. IF THE PAINT PULLS FROM THE SURFACE, 1'HERE IS AN ADHESION PROBLEM AND TUF•TOP W/C SHOULD NOT BE USED.

* DO NOT APPLY TO STAMPED CONCRETE. MAY NOT ADHERB TO ALKYD, URETHANE OR OTHER NON BREATHABLE COATING SYSTEMS
* SEE PRODUCT LABEL FOR ADDITIONAL LIMITATIONS