DURA-POXY™ PRIMER SF

TWO COMPONENT 100% SOLIDS EPOXY POLYAMINE PRIMER

DURA-SYSTEMS

PRODUCT INFORMATION DATA SHEET

PRODUCT DESCRIPTION:

DURA-POXY SF *is* a two component, 100% solids, solvent free liquid applied, epoxy polyamine primer.
DURA-POXY SF has a medium viscosity which displays unique penetrating characteristics and has a rapid cure with excellent adhesion.
DURA-POXY SF will bond permanently to properly prepare concrete, wood, aluminum, steel, fiberglass and most all other standard building materials.
DURA-POXY SF will not blister, crack, peel, or delaminate from exposure to extremes of ambient heat and cold.

FEATURES:

- **Good Weatherability**
- **Low Odor**
- **Environmentally Safe**
- **Seamless Monolithic**
- **Highly abrasive resistant**
- **Resistant to oils, solvents, caustics & acids.**
- **High solids**
- **High spread rate**
- **Will withstand extreme environments**

RECOMMENDED USES:

- **Flooring**
- **Parking Structures**
- **Concrete Waterproofing**
- **Animal pins**
- **Secondary Containment**
- **Marine**
- **Tank Coating & Repair**

PACKAGING:

- **Three gallon Kit**
- **Fifteen gallon Kit**
- **Drums**

STANDARD COLORS:

- **Clear**

TECHNICAL DATA:

- **Total solids by weight 100%**
- **Total solids by volume 100%**
- **No odor**
- **Coverage of 160 sq. ft. per Gallon @ 10 mils**
- **Medium Viscosity**
- **Package Life 12 Months**
- **VOC's 0.0 lbs/gal**

STANDARD MIXING RATIO:

Two parts side A to one part side B

REDUCTION:

Not recommended

DRYING SCHEDULE:(77°F@50% RH):

- **To Touch: 6 hours**
- **Recoat: 8 hours minimum**
  24 hours maximum
- **Foot traffic: 12 hours**
- **Heavy Traffic: 72 hours**

Do not apply this product at ambient or floor temperature below 60° F or over 90° F or if the relative humidity is above 85%. Temperature will affect the drying time of DURA-POXY SF. Higher temperatures will significantly accelerate the dry time while cooler temperatures will retard dry time. If maximum recoat window is exceeded abrade with 80 grit sandscreen.

POT LIFE:77°F@50%RH:

DURA-POXY SF has a short pot life and dries and solidifies rapidly when the two parts interact. Once the material is mixed together it must be used within 15 to 20 minutes.

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APPLICATION INFORMATION:

DURA-POXY SF can be brushed, rolled or squeegeed

Roller Cover
Cover's should be of good quality and have a phenolic epoxy resin core with a ¼ inch to ½ inch solvent resistant woven nap.

Brush
Brushes should be of good quality synthetic nylon/polyester blend or natural fiber china bristle.

Squeegee
Squeegees should be of good quality and have a steel or hard plastic frame with a flat edge rubber wipe. A twenty four inch frame is preferable.

Note: Poor quality applicators have a tendency to lose their fibers into the coating application resulting in an unsightly and poor finish quality.

CLEAN UP:

Clean tools and equipment immediately after use with an environmentally safe solvent, as permitted under local regulations. Follow appropriate safety recommendations when using any solvent.

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SPECIFICATIONS:

GENERAL SURFACE PREPARATION: Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust and contaminates to ensure proper adhesion.

ALUMINUM (UNTREATED): Follow general surface preparation; minimum recommended surface preparation: SSPS-SP1. Self-Priming.

GALVANIZED STEEL (UNTREATED): Follow General surface preparation; minimum SSPC-SP1. Allow to weather for 6 months prior to painting. If weathering is not possible, first solvent clean per SSPS-SP1 and apply a test patch. Allow coating to cure 7 days before adhesion testing. If adhesion is poor, brush blast per SSPC-SP7 to remove treatments. Rusty galvanizing requires hand tool cleaning SSPC-SP2, power tool cleaning SSPC-SP3, and/or water blasting NACE STD, RP-01-72 to remove all loose corrosion, followed by solvent cleaning SSPC-SP1 as needed to remove all grease, oil and contaminates. Self-Priming.

PVC, FIBERGLASS: Follow general surface preparation and solvent cleaning per SSPC-SP1. Scuff sand to abrade surface. Test adhesion. Self-Priming.

STEEL OR IRON: For maximum performance: Near white blast cleaning per SSPC-SP10. Minimum surface preparation: Follow general surface preparation and as needed hand tool cleaning SSPC-SP2. Remove all oil, grease, contaminates by solvent cleaning per SSPC-SP1. Self-Priming

WOOD: Follow general surface preparation and scuff sand to abrade and open surface. Self-Priming

NEW POURED CONCRETE: For surface preparation, refer to SSPC-SP13/NACE 6. Surfaces must be clean, dry, sound and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by abrasive blasting, mechanical scarification, or suitable chemical means such as muriatic acid etch, refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 6.0 and 10.0. Allow to dry thoroughly prior to coating. Self-Priming

PREVIOUSLY POURED CONCRETE: Surface preparation is done in much the same manner as new concrete; however, if the concrete is contaminated with oils, grease, chemicals, etc., it must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by abrasive blasting, shot blasting, mechanical scarification, or suitable chemical means. If surface deterioration presents an unacceptably rough surface, an application of Dura-Lastic is recommended to patch and resurface damaged concrete. Fill all cracks, voids and bug holes with DURA-Lastic GEL.

PREVIOUSLY PAINTED SURFACES: If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

WARNINGS

This product may contain aromatic solvent and toluene diisocyanate. Vapor and spray mist are harmful, and may cause lung irritation, allergic reaction and irritation to skin and eyes. Use only with adequate ventilation, do not breathe vapor or spray mist. Do not get in eyes or on skin. Individuals with chronic respiratory problems or prior respiratory reaction to isocyanates must not be exposed to vapors or spray mist. Keep out of the reach of children and do not take internally. Contains Toluene Diisocyanate 2.4 isomer (CAS 584-84-9) & Toluene Diisocyanate 2.6 isomer (CAS 91-07-7) NOTE: Laboratory animals fed TDI in corn oil developed cancer. See Material Safety Data Sheet for full information.

SAFETY PRECAUTIONS

If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficultly persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for 15 minutes and call a physician. In case of skin contact, wash thoroughly with soap and water. If redness, itching or burning develops, seek medical attention. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficultly persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for 15 minutes and call a physician. In case of skin contact, wash thoroughly with soap and water. If redness, itching or burning sensation develops, obtain medical attention. Refer to MSDS sheets before use.

Hydrotech Coating Systems
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Abrasion Resistance	ASTM D 4060	100 mg. max. weight loss
Flammability	ASTM D 635	Self distinguishing, .25 inches
Tensile Strength	ASTM D-412	4,500 psi
Tensile Strength	ASTM C 307	1,900 psi
Compressive	ASTM C 579	11,400 psi
Adhesive Strength	ASTM D-903	N/A
Negative Hydrostatic Vacuum	ASTM C-1244	N/A
Negative Hydrostatic Air Pressure	ASTM C-1244	N/A
VOC	ASTM D-2369	0.0 lbs/gal