

EPOSEAL[®] 413

High-build epoxy primer

TECHNICAL DATA SHEET

Date 01.24.15 Version 6

Product Description

A two-component, high solids, high film build epoxy polyamide maintenance primer coating designed for application over steel and concrete

Features

- High solids
- Excellent corrosion resistance
- Excellent sag resistance
- Excellent adhesion
- Can be over coated with wide range of topcoats
- High-performance general maintenance coating for new and old steel

Colors

Gray, Brown , Green and Red Oxide

Technical data

PROPERTIES	DATA
Volume Solids	53%± 2%
Typical Thickness (DFT)	3-5 mils(76.2-127 microns)
Theoretical Coverage	353 ft ² @ 4mils(8.66 m ² /li@100microns 235 ft ² @6mils (5.8m ² @150microns)
Practical Coverage	Allow Appropriate Loss Factor
Flash Point	73° F (23 °C)
Pot Life	4 Hours At 75 F Or Lesser During Higher Temperature

Drying time

TEMPERATURE	TO RECOAT	DRY HARD	FULL CURE	IMMERSION SERVICE Cure time
1 hr. @ 75o Dry Hard : 24 hrs. For immersion service cure time : 7 days minimum	3-6 hrs. @ 75o F	24 Hours	7 days 95 ° F	7 days min.

Intended use

For application to a extensive range of substrates including manually prepared rusty steel, abrasive blast cleaned, and a wide range of undamaged, aged coatings.

Provides excellent anti-corrosive protection in industrial, coastal structures, pulp and paper plants, bridges and offshore environments in both atmospheric exposure and immersion service.

Surface preparation

All surfaces should be dry, clean, free of oil, grease, form release agents, c, laitance, other foreign matter and be structurally sound. Remove all loose paint, mill scale, rust and mortar crumb. All direct to metal coatings gives superior performance above s. There conditions and budget restrictions which prevents blasting. Epoloc 854HS was made to give protection over less than perfect surface preparation. The least standard for non-immersion is SSPC-SP2 (ISO-St2); for immersion service the minimum standard is SSPC-SP10 (ISO-Sa2 1/2). These minimum surface preparation ideals apply to steel that has been previously abrasive blasted, coated and deteriorated. Where very rusty surfaces still remain after cleaning use Eposeal 300 dps Sealer prior to application of Epoloc 854HS Coating.

Mixing / Ratio

3:1 By Volume

Supplied in 2 separate containers. Stir separately then, mix together. Once the product has been mixed it must be applied within the pot life specified. always mix A complete unit in the proportions supplied.

Thinning

Use Up To 15 Percent By Volume Only. Use TH-46 Thinner

Pot life

4-5 hours at 75o F and less at higher temperature.

System compability

Compatible with EPOLOC 100HS, EPOLOC 8100, EPOLOC 8101, TERAKOTE 887, TERAKOTE 888, EPOSEAL 100LV, 400, EPOCLAD 9700

Application equipment

The preferred method of application is airless spray . However, brush, roller or air-atomized spray may also be used. Refer to thinning recommendations for proper performance, a dry film thickness of 6 mils per coat is required. Excessive brushing or rolling may reduce film thickness. Apply a Second coat if necessary to achieve the recommended film thickness .



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Work cessation

Do not let material to stay in hoses, gun or spray equipment. Flush all equipment with TH-46 Thinner. As soon as units of paint have been mixed they should not be resealed and it is advised that after prolonged cessations of work resume with freshly mixed units.

Storage Condition

Temperature : 35°F(2°C) to(110°C)

Humidity : 0-100%

Packaging

U.S.Gallon(3.785 Li)

Clean-up

All equipment should be immediately cleaned after use with TH-46 Thinner. It is good work training to flush out spray equipment from time to time throughout the progression of the painting day. Cleaning regularity will depend upon amount sprayed, temperature and elapsed time, including any delays. Left-over material and empty containers should be disposed off in accordance with appropriate government regulations.

Safety

THIS PRODUCT CONTAINS FLAMMABLE SOLVENTS. Use only in a well-ventilated area. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipment that has been grounded and bonded. Avoid prolonged or repeated breathing of vapor or spray mist. Approved (MSHA/NIOSH) chemical cartridge respirator should be worn by applicator. Avoid contact with eyes and contact with skin. For additional information on safety requirements, refer to OSHA guidelines.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice. * All values represent typical values and are not part of the product specification

