

EPOLOC® 8100

Epoxy Topcoat

Product Description

An exceptional performance, two-component, chemical cured tile-like epoxy coating.

Features

- Excellent chemical, corrosion, moisture, stain, and abrasion resistance
- Long lasting high gloss finish on interior.
- Excellent color retention.
- Excellent water resistance.
- Highly durable because of its outstanding toughness, Chemical and abrasion resistance properties.
- Chemical and stain resistant.
- Superior resistance to splash and spillage of acids, alkalis, Salts, solvents, oils, grease, foodstuffs, and detergents.
- Easily washed and cleaned.

Performance Data

Property	Test Method	Result
Abrasion Resistance	ASTM 4060, CS-17 wheels ,1000g load.	180mg loss
Pencil Hardness	cycles ASTM D 3363	3H
Adhesion	ASTM D 4541	1000 psi
Humidity Resistance	ASTM D 4585, 1000 hours	No effect

Finish

Gloss

Color

Off White premixed and custom colors.

Volume Solids

45%±2%

Theoretical Coverage 1.0 Mil Dry

738 sq. ft.. @ 2 mils (18.2 sq. m./li. @ 25 microns)

Practical

Allow appropriate loss factor. Actual coverage may vary depending on substrate and application method.

Typical Thickness

2 – 3 mils (50 – 75 microns)

Surface Preparation

Remove all dirt, grease, oil and chemical contaminants by washing the surface with cleaner/degreaser or other suitable cleaner. Rinse with fresh water and allow to dry. Steel surface: hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, scale, and deteriorated previous coatings to obtain a sound rusted surface. For optimum corrosion resistance, abrasive blast to commercial grade SSPC-SP-6 , with blast profile of 1-2 mils (25-50 i). Previously coated surfaces should be scarified by sanding or sweep blasting to create a surface profile. Concrete, plaster and Masonry: New concrete or masonry must cure 30 days before coating. Any concrete surface must be protected from moisture transmission from uncoated areas. Remove all loose, unsound concrete. Remove laitance and create a surface profile by either acid etching with cleaning and etch solution, or by grinding. Surface sealers and curing agents must be removed by grinding.

Drying Time

Temperature	To Touch	Over coating Interval	To Handel	Full Cure
90 F (32 C)	1 hour	6 hours	3 hours	72 hours

System Compatibility

May be applied over EpoSEAL 713 MASTIC, EpoSEAL 100HS. However, we recommend that users should consider particular environment involved in choosing.

Mixing

Mix each component thoroughly to ensure any settled pigment is re-dispersed before combining the components together.

Mixing Ratio

3:1 parts by volume

Thinner

Use up to 10 percent by volume only. Use TH-46 Thinner.

Systems Compatibility

Can be primed with EpoSEAL 857 , EpoLOC 713 , EpoSEAL 100HS

Method of Application

Roller, Brush, Air Spray, Airless Spray



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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 : 45°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



Construction