

DESCRIPTION

EPOPRIME 100® is a Two Component High build solvent free epoxy resin primer sealer, when cured will form a hard coating with excellent adhesion to concrete and metal surfaces

USES

EPOPRIME 100® is suitable Used as:

- ☐ Base Coat for Solvent and Solvent Free Epoxy Floor coating
- ☐ Base coat for Polyurethane Deck coating
- ☐ Base Coat for Epoxy Screed Systems
- ☐ Dustproof for Concrete
- ☐ Top coat for Stamp and decorative floor coating

ADVANTAGES

- ☐ One coat application
- ☐ High build
- ☐ Water resistant
- ☐ Excellent adhesion
- ☐ Reducer of Bubbling and pinholes over porous substrates
- ☐ Clear finish coat
- ☐ Low VOC

COMPLIANCE

Complies with BS 476 part 7 & BS 5493-1971

MATERIAL DATA

Type	Epoxy Based resin & Polyamine Hardener
Form	Clear Glossy Finish EPOPRIME 100P (colored)
Packing	16ltr & 19ltr Pack "A&B"
Application	Brush, Roll, Trowel or Airless Spray Machine
Storage Condition	24 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value	Test Method
Density	0.92 ± 0.05	S.G Cup
Volume Solid	100%	ASTM D 2823-91
Initial Hardness	20 hours @ 35°C	
Pot Life	40min @ 35°C	
Tack Free time	4 hours@ 35°C	
Full Cure	5 days @ 35°C	
Pull Off Strength	4.0 N/mm ²	ASTM D 4541-85
Flash Point	33°C	
Chemical Resistance	Gasoline	Excellent
	Petrol	Excellent
	NaOH 20%	Excellent
	H2SO4 10%	Excellent
	HCL 10%	Excellent
	Acetic 5%	Excellent

APPLICATION DETAILS

Surface Preparation

Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles. All cracks and pinholes should be filled with Epoxy base concrete repair.

Application

New concrete floors

Should be at least 28 days old or have a moisture content of less than 5% before proceeding with epoxy application. Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical scabbling or grinding. After preparing the floor, it should be thoroughly washed with clean water and then allowed to dry.

Old concrete floors

Again, mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimeters deep into the concrete. To ensure good adhesion all contamination should be removed and the surface thoroughly cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by thorough cleaning with clean water and mopping it off to a dry state.

Typical Application

Once mixed the primer should be applied immediately in a thin continuous film to the clean prepared surface. Work the primer into the surface using a stiff brush or roller. Excess application and paddling should be avoided. On porous surfaces **EPOPRIME 100®** might be absorbed very quickly leaving characteristic light colored dry patches. it is recommended that a second priming coat be applied to these dry areas. This not only helps to ensure good adhesion but also prevents air release from the porous substrate which may cause bubbles in the final epoxy/Polyurethane topping later.

METHOD OF MIXING:

- ☐ Pour Part B into Part A
- ☐ For large volume mixing use a low speed drill and mix it for 1-2 min (Avoid over heating caused by Mixing)

THEORETICAL SPREADING RATE

5m² / ltr @ 200 microns DFT

CURING

- ☐ 4-6 hrs Touch Dry
- ☐ 1-2 days full dry from the date of final application depending on weather conditions
- ☐ 5 days Full cure

EPOPRIME 100®

High build Solvent free Epoxy Primer sealer

PRODUCT DATA SHEET
Edition: 10-9-2019
ID No: EPOPRIME 100-V4

SAFETY

Protection Measures

EPOPRIME 100® is epoxy based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- ☐ Splashes to skin must be washed off with water and Soap
- ☐ Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Remarks

Empty cans should be disposed as per the rules and regulations of the country where the material is used. And in **NO case should empty cans be used for food stuffing.**



EPOXY BASED PRIMER SEALER

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.

BAYSHIELD International FZC | P.O Box: 7072 UAQ | Um Al Qiwen, United Arab Emirates | T: +971 56 4089636 | F: +971 7 2660096 | Email: info@bayshield.co | www.bayshield.co
Beirut, Lebanon : T: +961-79-311376 | F: +961-5-955968 | email: info@bayshield.co