

ARMOPRIME EP100

Solvent Free High Performance Epoxy Primer

Description:

ARMOPRIME EP100 is a two components solvent free low viscosity epoxy primer. It has an outstanding adhesive bond between the substrate and the epoxy or polyurethane floor coating. The primer adheres to a variety of substrate and has an excellent anti-corrosive characteristics.

Applications:

ARMOPRIME EP100 is used as an adhesive coat on supports like steel, concrete, ceramic, plastic, before other protective or waterproofing systems are applied:

- Floors requiring high bonding strength.
- Sophisticated systems of Polyurethane and Epoxy.
- High abrasion and impact resistance systems.
- Stand-alone product high abrasion resistant sealer.
- Malls, warehouses with high movement.

Advantages:

- Excellent penetration to substrate.
- Excellent mechanical properties.
- Excellent water resistance.
- Glossy, clear and highly functional as a top coat on concrete colored flooring systems.
- Excellent Adhesion to concrete, timber, granolithic screeds, masonry, paving, steel etc.

Instructions for Use:

Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Ensure that concrete floors are fully cured and have moisture content less than 5%.

Prepare surface utilizing mechanical preparation method; such as grinding, captive blasting, sand blasting, in order to provide suitable profiled open

texture surface. If the substrate is restricted to access, utilise preparation by handy mechanical tools.

All repairs to cracks, levelling of floor, filling voids should be completed by LAVAPOXY and LAVAPOXY FINISH, epoxy based repair products. Once the repair is completed allow the product to cure then remove the dust from the surface. Metal surfaces must be perfectly cleaned up to the white metal by sand blasting. Consults MATEX Technical Department for further advice.

Mixing:

ARMOPRIME EP100 must be mixed mechanically with low speed drill mixer fitted with suitable paddle. To prepare the mix, add the contents of Part B (hardener) to Part A (base) container, and mix for minimum of 3 minutes till obtaining a homogeneous mix. Do not mix partially the base and the hardener. Mix the complete kit at a time.

Application:

Apply ARMOPRIME EP100 with brush, roller or spray machine. Apply to substrate in rich amount to ensure proper penetration and coverage of the surface. The application rate varies between 4 to 6 m²/Lt., dependent on the porosity of substrate. For very porous substrate apply two coats of ARMOPRIME EP100. If the primed surface is not over coated with the subsequent product within 24 hours, a fresh coat of primer has to be applied again. For metal supports it is necessary to apply ARMOPRIME EP100 as soon as possible after the sandblasting in order to avoid the oxidation process to start again.

Standards:

ARMOPRIME EP100 conforms to:

- ASTM C 109, ASTM C 1042 and ASTM C 191

Packaging:

ARMOPRIMER EP100 is available in 4 and 15 liter dual metallic containers.

ARMOPRIME EP100

TECHNICAL PROPERTIES	
Appearance	: Fluid Liquid
Color	: Transparent
Density	: 1.05 ± 5% Kg./Lt.
Pot-life time at 25°C	: 60 minutes
Compressive Strength	: 70 N / mm ²
Flexural strength	: 15 N / mm ²
Bonding strength	: Greater than cohesive strength of concrete substrate
Dry Residual	: 100%
Hardening at 25°C recoat interval	: 12 hours
Completely Hardened	: 7 days
Viscosity at 25°C	: 1500 – 2000 Mpa.S

Consumption:

150 – 200 g. / m² per coat according to the porosity of the support.

Coverage:

ARMOPRIME EP100 achieves coverage of 9-10 square meters @ 100 micron film thickness.

Coverage is calculated based on standard lab condition; consumption might vary according to surface porosity and wastage of material at application.

Storage:

Store in original packing in dry conditions away from direct sunlight in temperature controlled warehouse.

Shelf Life:

ARMOPRIME EP100 can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean tools and equipment with ARMOSOLVENT before material harden.

Remarks:

- Don't apply the product with imminent rain forecast.
- All the tools employed for the preparation and laying of ARMOPRIME EP100 must be cleaned with ARMOSOLVENT before it hardens.

Health and Safety:

- Use goggles and gloves during application.
- Ensure adequate ventilation at site and avoid inhalation of vapours.
- Avoid contact with eyes or skin.
- Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

