

ARMOPRIME EP70

Solvent Base Epoxy Primer

Description:

ARMOPRIME EP70 is a two component solvent based low viscosity epoxy primer. It provides adhesive bond between the substrate and the epoxy or polyurethane floor coating systems. ARMOPRIME EP70 adheres to a variety of substrate and has an excellent anti-corrosive characteristics.

Applications:

ARMOPRIME EP70 is used as an adhesion coat on supports like steel, concrete, ceramics, plastic, before other protective or waterproofing systems:

- Floors requiring high bonding strength.
- Polyurethane and epoxy systems with high abrasion and impact resistance requirements.
- Malls, warehouses with high movement.
- Carparks, stores.

Advantages:

- Excellent penetration to substrate.
- Excellent mechanical properties.
- Excellent water resistance.
- High bonding strength.
- Excellent Adhesion to concrete, timber, granolithic screeds, masonry paving, mild 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: 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, voids filling 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 EP70 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 EP70 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 EP70. 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 EP70 as soon as possible after the sandblasting in order to avoid the oxidation process starts again.

Standards:

ARMOPRIME EP70 conforms to:

- ASTM C 109, ASTM C 1042

Packaging:

ARMOPRIME EP70 is available in 15 liter dual metallic containers.

ARMOPRIME EP70

| TECHNICAL PROPERTIES | |
|---------------------------------|--------------------------|
| Appearance | : Fluid Liquid |
| Color | : Transparent |
| Density | : 1.30± 5% Kg./Lt. |
| Pot-life time at 25°C | : 60 minutes |
| Compressive Strength | : 60 N / mm ² |
| Dry Residual | : 70% |
| Hardening at 25°C reco interval | : 8 hours |
| Bond Strength | : Concrete Failure |

Coverage:

ARMOPRIME EP70 achieves coverage of 8-10 square meters @ 100 micron wet 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 EP70 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.

Health and Safety:

- Use goggles and gloves during application.
- Ensure adequate ventilation at site and avoid inhalation of vapors.
- 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.

