



# SOLID EP PRIME

A Solvent Free, Two Part Epoxy Primer



## BENEFITS

- > Compatible with wide range of topcoats.
- > Low odor during application.
- > Damp tolerant.
- > Deep penetrating into concrete substrate to avoid peeling.

## DESCRIPTION

**SOLID EP PRIME** is a two component solvent free epoxy primer with low viscosity, excellent penetrating properties even into damp concrete substrate.

## USES

**SOLID EP PRIME** is recommended as a primer for concrete surface prior to application of concrete substrate, membranes, mortar or topping. **SOLID EP PRIME** can also be use is workshops, warehouses and mechanical rooms to prevent dusting. Exhibit excellent adhesions between mortar and concrete substrate.

## TECHNICAL DATA

Density (28 °C) g / ml (mixed)	1.00 ± 0.05 g / ml
Viscosity (28 °C) (mixed)	800 ± 200 cps
Adhesive Strength	> 2.0 MPa (concrete failure)
Recommended DFT per coat	100 (+ / -) 5 µ
Cleaner	<b>SOLID THINNER</b>
Mixing ratio by weight	Part A : Part B 4 : 1
Pot life (working time) 28 °C	40 min
Packing size	5 and 20 kg
Shelf life & storage (unopened) and in good conditions temperature 10 ~ 30 °C)	24 month
Material consumption	0.2 kg / m <sup>2</sup>
Drying time	6 ~ 8 hours
Foot traffic (good ventilation)	24 hours
Coverage	0.3 ~ 0.5 kg / m <sup>2</sup> / coat



## HOW TO USE

### Surface Preparation :

- > Substrate concrete or screed should be a minimum of compressive strength 25 N / mm<sup>2</sup> and adhesive pull-off strength of minimum 1.5 N / mm<sup>2</sup> (concrete failure).
- > Concrete substrate must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- > Cracks and hollows should be properly remedied.
- > Rough contaminations and high spots can be removed by grinding.
- > The substrate should be clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product.

**Mixing :** Pour total Part B into Part A container and mix both liquid parts thoroughly for one minute by using suitable electrical stirrer (with 750 watt high power mixer) until a fully homogenous mix has been achieved.

### Application :

- > Apply **SOLID EP PRIME** can be used by suitable roller, trowel or brush and overwork with a roller.
- > **SOLID EP PRIME** should be applied within pot life 45 minutes at 28 °C.
- > Substrate temperature should not be 5 °C above the dew point.

# SOLID EP PRIME



**Cleaning of Tools :** Clean all the tools and application equipment with **SOLID THINNER** before the product hardens.

**Maintenance and Cure After Cure :** We recommended basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent.

**Further Information :** Warning and precautions information relating to the safe handling of the product should be found in Material Safety Data Sheet (MSDS). To be advised to put on suitable clothing and eyewear for protection purpose. The application area / suit must be in good ventilation otherwise advisable to use portable exhaust fan.

**Important Notes :** **SOLID** product are warranty against defective material. Due to different substrate and working condition, no guarantee of an application result or any liability claims. The users are required to have a test ahead on their intent use.

## TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

## QUALITY ASSURANCE

**SOLID** manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

**Disclaimer :** The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local **SOLID** representative.



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