

**PRODUCT CODE 5778****SmartCare Epoxy Primer Resin**

Asian Paints SmartCare Epoxy Primer Resin is one part of the two-component SmartCare Water Based Epoxy Primer System.

**FIELDS OF APPLICATION**

The two component Asian Paints SmartCare Epoxy Primer system is applied as a primer on both new and old concrete substrates. It provides good adhesion between concrete surface and subsequent liquid applied membrane topcoat.

**PHYSICAL PARAMETERS**

- Colour – Clear/Translucent Liquid
- Packaging - 4 kgs
- Shelf Life - 12 months from production date if stored in original unopened packaging, at temperatures between +5°C and 35°C. Protect from direct sun exposure and frost.
- Mixing Ratio - 1:1 as per weight

**TECHNICAL DATA**

| PARAMETERS                                             | TYPICAL VALUE WITH UNIT                                  |
|--------------------------------------------------------|----------------------------------------------------------|
| Basis                                                  | Epoxy Primer Resin                                       |
| Colour                                                 | Clear/Translucent Liquid                                 |
| Viscosity (in Poise)                                   | ≥8                                                       |
| Density (SC Epoxy Primer Resin) (in kg/ltr)            | 1.15                                                     |
| Density (SC Epoxy Primer Resin + Hardener) (in kg/ltr) | 1.05                                                     |
| Pot Life                                               | 3 hrs at 20°C                                            |
| Minimum hardening temperature                          | +8°C                                                     |
| Walkability                                            | After 18h +23°C                                          |
| Successive layer                                       | After 24h at 23°C                                        |
| Final Strength                                         | After 7 days at +23°C                                    |
| Adhesion                                               | > 3 N/mm <sup>2</sup> (breaking Point of concrete)       |
| Cleaning of tools                                      | Tools should be Cleaned with water immediately after use |

**Note:** All above parameter values obtained in controlled lab tests

## DIRECTION FOR USE

### 1. Substrate preparation

Substrate to be coated should be stable, free from dust particles and should be protected from moisture attack. The substrate should be prepared by brushing, grinding, sand blasting, shot-blasting etc and dust particles to be removed with the help of high-pressure water jet.

### 2. Mixing of the components

Components A (resin) and B (hardener) are packed in two separate containers, having the correct predetermined mixing ratio by weight. The whole quantity of component B is added into component A. The two components should be mixed for about 2-3 minutes with a low-speed mixer (300 rpm), until the mixture becomes uniform. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener. Then add equal quantity of water (100% by weight of primer) and continue mixing to ensure that the mixture obtains the desired workability.

### 3. Application Consumption

The product is applied by brush, spray or roller in one coat, on clean dust free surface.

Consumption\*: 100 -150 g/sq.m

\*For porous concrete/cementitious surfaces consumption must be 100 -150 g per sqm. If dry patches visible post primer application, second coat of primer will be required.

## REMARKS

Working time of epoxy materials is affected by the ambient temperature. The ideal temperature of application is between +15°C and +25°C, for which the product obtains optimal workability and curing time. Room temperature below +15°C will expand the curing time while temperatures above +30°C will reduce it. It is recommended to mildly preheat the product in the winter and store the product in a cool room before application in the summer.

In case the time between the application of successive layers is longer than the predicted, or in case old floors are going to be overlaid, the surface should be thoroughly cleaned and ground, before applying the new layer.

After hardening SC Epoxy Primer Resin is totally safe for health.

Before application, Consult the directions for safe use and precautions written on the package.