



## am EPOXICOTE 407MT (SOLVENT BASED EPOXY PRIMER FOR DAMP SURFACE)

### DESCRIPTION

**am** EPOXICOTE 407MT solvent-based Epoxy primer is a two-component solvent-based epoxy resin for use with **Asia Mortar** series product such as Epoxy coatings, Polyurethane coatings, polyurethane screeds and self-smoothing epoxy floor coatings. Blind with Fine Aggregate and use as a primer prior to applying thick applications of the **am** EPOXICOTE 407MT Industrial Floor System or other appropriate **Asia Mortar** cement-based products.

Ideally for a damp surfaces, where the relative humidity (RH) of the substrate is in excess of 75%. Or the substrate is particularly smooth, the surface of the **am** EPOXICOTE 407MT solvent based Epoxy Primer should be seeded with Fine Aggregate immediately after application to give a mechanical key to facilitate installation of resin screeds and toppings.

### FEATURES AND BENEFITS

- Extremely good adhesion on concrete surfaces and most substrate.
- Easy to apply
- Good bonding to substrate.
- Can be applied to damp surfaces, where relative humidity up to 85% RH
- Internal & external use
- Suitable for very smooth substrate such as polished concrete, floor hardened, power floated concrete...
- Seals substrates and acts as an adhesive bridge
- Use as a primer prior to application of floor finishing such as Epoxy, Polyurethane, Cement base topping...

### SURFACE PREPARATION

Concrete must be sound, clean and free from cement paste, dust, dirt, laitance and any other contaminants. The surface must be treated by mechanical means such as shot blasting, grinding, and scrubbing or water jet for increase bonding between substrate and flooring system.

Concrete must be at least 25MPa compressive strength and minimum tensile strength (pull off) at 1.5 MPa. Concrete surface must be visibly dry no dark areas on concrete surface which excess moisture. The working ambient and surface temperature should not below 5°C while installation. All movement joints must be prepared prior to installation flooring system.

### MIXING

Use low speed drill mixer (500 rpm) with and including non-aerating steel paddle such as jiffy paddle. Make sure all tools and equipment are in good conditions and clean. Mix part A and part B for 3 minutes until homogeneous. Do not partial mix.

### Mixing ratio by weight

**Part A: Part B = 2 : 1**

### APPLICATION

Apply using roller or brush. Trained and approved specialist applicator was required to be installed this products.

### CURING

Working time: 30 minutes (30°C).  
Over coat: 5-6 hours (30°C).

## CLEANING

Clean all tools and equipment immediately with acetone, xylene or solvent.

## LIMITATIONS

Do not apply when substrate temperature over 40°C and below 5°C.

Do not dilute with solvent.

## PACKAGING

15kg set. Part A: 10 kg, part B: 05 kg.

## STORAGE & SHELF LIFE

Storage in shade and dry condition. Avoid from sunlight, UV, frost, water, moisture and high temperature.

06 months if kept in proper storage area follow instructions.

## PRECAUTIONS

Avoid contact with skin and eye. Avoid inhalation. Harmful effects may cause during application and care must be taken. If mixed resin comes into contact with skin it must be removed before it hardens with a resin removing cream such askerocleanse standard grade, SkinCleanser, followed by washing with soap and water. Do not use solvent. Do not expose to flames or other sources of ignition. No smoking allowance.

## SPECIFICATIONS

|                                   |                               |
|-----------------------------------|-------------------------------|
| Colour                            | Clear                         |
| Number of coats                   | 2                             |
| Specific gravity(28°C)<br>(mixed) | 1.25±0.05 g/cm <sup>3</sup>   |
| Solid content                     | 57±5 %                        |
| Bond strength                     | >1.5 MPa(Concrete failure)    |
| Service temperature               | max 75°C                      |
| Mixing ratio                      | 2 : 1 by weight               |
| Pot life (at 30°C )               | 30 min                        |
| Touch dry (at 30°C)               | 60 min                        |
| Recoat (at 30°C)                  | 5-6 h                         |
| Working temperature               | 5°C - 40°C                    |
| Material consumption              | 6 - 8 m <sup>2</sup> /kg/coat |
| Dry film thickness<br>(DFT)       | 45 µm/coat                    |



022 - 021  
Eco-Friendly Building Material  
Minimum 20% Recycled Content

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