

## am EPOXIPRIME 401 MT

### DESCRIPTION

am EPOXIPRIME 401 MT is a two-component solvent - free epoxy primer, formulated specially to produce a high quality bond for top coatings where provision of dry substrates is impossible.

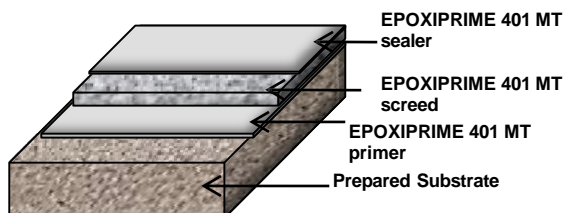
### FEATURES/BENEFITS

- High mechanical strength.
- Can be applied on green/old concrete & sound masonry.
- Bond strength exceeds the cohesive strength of parent substrates.
- Solvent-free.
- Use as a Suppressant to rising dampness in concrete when used as epoxy mortar .

### FIELDS OF APPLICATION

- Food processing areas, breweries and abattoirs.
- Basements, pits & cellars-Damp surfaces where water exists but not leaking.
- Carpark decks & multistorey carparks.
- Pharmaceutical plants, warehouses.
- Bottling plants and bakeries.
- Industrial & commercial kitchens.

### SYSTEM DESIGN



### PERFORMANCE DATA

- Service Temperature : - 20°C to 60°C
- Application Temperature: Min. 5°C  
Max. 35°C

### PROPERTIES

<b>Appearance</b>	Colourless	
<b>Thermal conductivity</b>	No dilution	
<b>Mixing Ratio by wt.</b>	7:1(A:B)	
As primer	(A+B)1 : 8(20/40 sand)	
As binder 3-4mm	7:1(A:B)	
As sealer		
<b>Coverage</b>		
As primer	0.1 kg/m <sup>2</sup>	
As mortar – 1mm	0.2 kg/m <sup>2</sup>	
2mm	4 kg/m <sup>2</sup>	
5mm	10 kg/m <sup>2</sup>	
<b>Flashpoint</b>	> 150°C	
<b>Gel time @ 25°C</b>	2.5 hrs	
<b>Mixed SG @ 25°C</b>	1.10	
<b>Pot Life (hrs)</b>	<b>20°C</b>	<b>30°C</b>
	2	1
<b>Max. Overlay time (hrs)</b>	24	12

### MIXING & APPLICATION

#### Surface Preparation

The substrate must be sound and of sufficient compressive strength of not less than 25 N/mm<sup>2</sup> with a minimum pull - off strength of 1.5 N/mm<sup>2</sup>. Substrate must be clean, dry and free of all contaminants like oil , dirt , grease , coatings and surface treatments. Remove laitance, curing agent, loose particles and other contaminants by surface shot-blasting followed by vacuum cleaning.

## MIXING & APPLICATION:

All surface irregularities should be patched with suitable repair mortars to achieve a smooth, levelled surface.

### Mixing

Add **am** EPOXIPRIME 401MT Part B to Part A and mix thoroughly using a slow speed (300 rpm) electric stirrer for 2 minutes, until a uniform paste is achieved.

### Placing

#### Primer

Apply the mixtures by roller or brush at a consumption rate of 0.3 kg/m<sup>2</sup>. Depending on the porosity of substrates, a 2<sup>nd</sup> coat may be required to achieve the desired finish.

#### Screed preparation

Add the pre-mixed **am** EPOXIPRIME 401MT slowly into a container with aggregates, & mixed until a uniform, flowable mixtures is achieved. Substrate to be primed with **am** EPOXIPRIME 401 MT prior to spreading the flowable mixtures by trowel. Upon curing of screed, apply a seal coat of the **am** EXPOXIPRIME 401MT.

## ESTIMATING DATA

System	Product	Coverage
Primer coat 1/2	<b>EPOXIPRIME 401 MT</b>	0.2-0.3 kg/m <sup>2</sup>
Screed coat 1	<b>EPOXIPRIME 401 MT</b>	0.2-0.3 kg/m <sup>2</sup>
coat 2 (3-4mm)	<b>EPOXIPRIME 401 MT + 20/40 silica sand</b>	2 kg/m <sup>2</sup>
coat 3	<b>EPOXIPRIME 401 MT</b>	0.3 kg/m <sup>2</sup>

## CLEANING OF TOOLS & EQUIPMENTS

Tools & equipments used to be cleaned with thinner before resin hardened.

## PACKAGING

### **am** EPOXIPRIME 401MT-

7.5 kg set – 5 kg (Part A) , 2.5 kg (Part B)  
15 kg set – 10 kg (Part A) , 5 kg (Part B)

## SHELF LIFE

Max 06 months i n the original unopened container. Store at cool and dry place.

## HEALTH & SAFETY

Only use **am** EPOXIPRIME 401MT as directed. Always ensure Safety Data Sheets are read carefully prior to the application of the materials. Protective clothing, gloves, eye protection & respirators must be worn at all times during application. Please consult & follow all instructions on the product Safety Data Sheets for detailed Health, Safety & Environmental Recommendations.

## TECHNICAL & SITE SUPPORT

**Asia Mortar** provides technical advices & supports during design & application for our flooring systems. Please contact our Technical Department for further technical informations & any site assistance.



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

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