

## am EPOXICOTE 403 SM

### DESCRIPTION

**am** EPOXICOTE 403 SM is a 3-component, solvent-free, self-smoothing epoxy floor system. When cured, it forms a heavy duty seamless floor which is highly resistant to chemicals and abrasion.

### USES

**am** EPOXICOTE 403 SM is used on all cement bound substrates (concrete, screeds) indoors and outdoors in industrial and commercial areas:

- Production areas
- Warehouses
- Garages
- Clean rooms
- Chemical plant
- Food industry
- Electronic industry
- Pharmaceutical Industry
- Slaughterhouses
- Breweries

### ADVANTAGES

- Resistant to a wide range of chemicals
- Low odour
- Environmentally friendly
- Low maintenance costs.
- Good adhesion to substrates
- Non-flammable

### METHOD OF USE

#### Surface Preparation

The substrate to be treated must be sound, dry, and free from any contaminants. If necessary, the surface should be prepared by grit-blasting. The maximum moisture content of the substrate should not exceed 4%. The pull-off strength of the pre-treated substrate should be greater than 1.5N/mm<sup>2</sup>

#### Priming

The prepared surface must be primed with **am** EPOXIPRIME series or prior to the application of **am** EPOXICOTE 403 SM.

#### Mixing

Stir the individual components A (resin) and B (hardener) to ensure any settlement is re-dispersed.

Pour both components into a clean pail and mix thoroughly for a full 4 minutes with a slow speed (500rpm) drill and mixing paddle. Slowly add component C (filler) whilst continuing to mix for another 3 - 5 minutes until a homogenous mixture is obtained. Use the product as quickly as possible after mixing.

#### Working Life

at 10°C	1 ½ hours
at 23°C	35 minutes
at 30°C	20 minutes

#### Cleaning of Tools

Tools must be cleaned immediately after use with thinner.

## HANDLING

After full curing, **am** EPOXICOTE 403 SM is physiologically harmless. Keep the resin and hardener away from the eyes, mouth and skin. Do not inhale vapours. The uncured mixture can cause irritation of eyes, respiratory system and skin. When using **am** EPOXICOTE 403 SM, wear suitable gloves and goggles. Skin contamination should be cleaned immediately with soap and plenty of water. If the resin or hardener enters the eyes, wash immediately with running water. A doctor must be visited in all cases. The use of solvents is to be avoided. The empty containers may contain residues of the product and should not be used for any purpose.

## COLOURS

Ivory	Ral 1014
Concrete Grey	Ral 7023
Stone Grey	Ral 7030
Pebble Grey	Ral 7032
Light Grey	Ral 7035
Agate Grey	Ral 7038
Beige	03
Red-brown	04

The above are standard colours  
Special colours are available at a surcharge

## STORAGE

The shelf life of **am** EPOXICOTE 403 SM in the unopened packing unit is 06 months when stored under dry conditions. Slight discolouration and chalking may occur with weathering and by exposure to UV light. The function of the coating will not be affected by these changes.

## PACKING

**am** EPOXICOTE 403 SM is supplied pre-weighed in 20-25-30 kg units in three components in the correct mixing ratio ready for use on site.

SPECIFICATIONS	
Density*	approx. 1.60g/cm <sup>3</sup>
Solids content	approx. 100%
Min. hardening temp.	8°C
Curing**	
• Overcoat time	8-24 hrs
• Foot traffic	1 day
• Vehicular traffic	3 days
• Full cure	7 days
Compressive Strength	approx. 60 N/mm <sup>2</sup>
Flexural Strength	approx. 28 N/mm <sup>2</sup>
E Modulus	1500 N/mm <sup>2</sup>
*At 20°C and 60% relative humidity.	
**Higher temperatures will shorten and lower temperatures will lengthen the drying and hardening times.	

## CONSUMPTION

Thickness (mm)	Typical Coverage (kg/m <sup>2</sup> )
1	1.6-1.7
2	3.40
3	5.70
5	10.0



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

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