

am EPOXICOTE 406F

(A TWO COMPONENT SOLVENT FREE EPOXY COATING)

DESCRIPTION

am EPOXICOTE 406F is a high performance developed specifically as chemicals and an abrasion resistant for areas with light or high traffic; two component solvent-free colored epoxy coating. It makes for industrial floors dust free, joint less, glossy finishing and available in a wide range of attractive colors.

FEATURES AND BENEFITS

Area of use are light duty industrial for dry process where the floor is subjected to pallet tuck, trolley and fork lift traffic areas, car park deck, include laboratories, electronic and clean rooms, automotive assembly, aircraft hangar, garages, pharmaceutical, printing pulp paper, mills, refineries and other industrial plants sectors where chemical resistance and abrasion resistant required.

- Seamless, monolithic application
- Solvent Less, Low odor – and V.O.C
- Hygienic, easy to clean
- High chemical resistance to wide range of chemicals
- Abrasion resistant, against medium traffic and trolley movement
- Hard wearing floors finish
- Wide range of colors

SUBSTRATE PREPARATION

Substrate concrete or screed should be a minimum of compressive strength 25MPa and adhesive (pull-off) strength of minimum 1.5MPa. The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed.

The substrate should be dry and free from ground water pressure.. The substrate must be prepared by vacuum shot blasting, rough contaminations to remove by grinding. Cracks and hollows should be properly remedied. If moisture content in concrete higher than 5% (or 75% RH) **am** EPOXICOTE 407MT damp tolerance primer must be applied (consult Asia Mortar technical department for further information).

PRIMING

Please refer to **am** EPOXIPRIME 401MT, **am** EPOXICOTE 407MT, **am** EPOXICOTE 402P technical datasheet or **am** EPOXICOTE 406P.

MIXING

Stir Part A mix for 30 seconds by using a suitable electrical low speed drill mixer (500 rpm) with and including non-aerating steel paddle such as jiffy paddle. Add all of Part B (Hardener) and mix both liquid parts thoroughly for 2 minute until it fully achieved a homogeneous.

Mixing ratio by weight

Part A : Part B = 4 : 1

INSTALLATION

- Apply Asia Mortar Primers for sealing well the substrate porosity
- Usually within 6-14 hours; After Asia Mortar Primers cured and allow the application of **am** EPOXICOTE 406F.
- Start to apply **am** EPOXICOTE 406F onto primed areas 2 coats are recommended
- Apply **am** EPOXICOTE 406F within the pot life (working time), can be applied by brush or roller.

CLEANING

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

TEMPERATURE CONDITIONS OF INSTALLATION

- Do not apply when the relative humidity exceeds 75% RH.
- Do not apply temperatures below 5°C and temperatures above 40°C.

MAINTENANCE AND CARE AFTER CURE

We recommend 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.

Curing time:	30°C
Human Traffic	48 hours
Light Traffic	4 days
Fully chemicals cure	7 days

PACKAGING

20 kg/set (Part A: 16 kg, Part B: 04 kg)

am EPOXICOTE 406F should be stored in a covered area protected against sunlight and UV radiation.

SHELF LIFE

06 months if kept in proper storage area follow instructions.

SPECIFICATIONS

Colour	am Color Chart
Number of Coats	2
Density (28°C) (mixed)	1.35 ± 0.05 g/cm ³
Solid Content (mixed)	85 ± 5 %
Bond strength	> 1.5 MPa (concrete failure)
Mixing ratio	4 : 1 by weight
Pot life (working time)	30 min
Temperature Resistance	Up to 70°C
Tensile strength	15 MPa
Compressive strength (28 days)	50 MPa
Flexural strength	35 MPa
Shelf life	12 months
Shore D hardness	75-80
Finishing	Gloss
Material consumption (mixed)	5 – 6 m ² /kg/coat
Dry film thickness (DFT)	100 µm/coat

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 as kerocleanse standard grade, Skin Cleanser, followed by washing with soap and water. Do not use solvent. Do not expose to flames or other sources of ignition. No smoking allowance.



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