

am EPOXICOTE 405F PU

DESCRIPTION

am EPOXICOTE 405F PU is a solvent free, two components, polyurethane based coating. The cured material provides tough and smooth surface finished with and including flexible capability to resist slightly movement and crack from vibration. It could be used for exposed areas such as roof car park or outdoor car park.

FEATURES AND BENEFITS

- Extremely good adhesion on concrete surfaces and most substrate.
- Less sensitive and tolerant with moisture when during application.
- Environmentally friendly, zero VOC.
- Solvent free, odor less.
- Easy to apply.
- Good abrasion resistance.
- Flexible, crack bridging ability.
- Good bonding to substrate.
- Waterproofing to protect concrete from moisture and water.
- Reduce noise from traffic.
- Slip resistance (with aggregate).
- UV resistance (for exposed areas).

SYSTEM RECOMMENDATION

Primer: **am** EPOXIPRIMER 401MT, 1 coat
At 8 m²/kg/coat

Top coat: **am** EPOXICOTE 405F PU, 2 coats
At 8 m²/kg/coat

SUBSTRATE 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 scabbling 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 1.5MPa.

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.

PRIMING

Please refer to **am** EPOXIPRIMER 401MT technical datasheet or If the relative humidity (RH) of the substrate is in excess of 75% **am** EPOXICOTE 407MT must be applied.

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 = 4 : 1

APPLICATION

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

CURING

Foot traffic approximate 24 hours (30°C).
Vehicle traffic approximate 72 hours (30°C).
Full cure approximate 10 days (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 lower 5°C.
Do not dilute with solvent.

PACKAGING

20 kg/set.
Part A: 16 kg, Part B: 04 kg.

STORAGE

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

SHELF LIFE

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 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.

SPECIFICATIONS

Colour	Grey, Green, Blue, Yellow
Finished	Gloss, semi-gloss
Number of coats	2
Density (30 ⁰ C) (mixed)	1.10 ± 0.05 g/cm ³
Solid content (mixed)	65 ± 5 %
Bond strength	>1.5 MPa (Concrete failure)
Tensile strength	>25 Mpa
Mixing ratio	4 : 1 by weight
Packing Size	20kg
Pot life (at 30°C)	45 min
Recoat (at 30°C)	4-6 h
Hardness shore A	85
UV resistant	Pass
Service temperature	max 75 ⁰ C
Touch dry (at 30°C)	120 min
Foot traffic (at 30°C)	24 h
Vehicle traffic (at 30°C)	72 h
Full cure (at 30°C)	10 days
Working temperature	10°C – 40°C



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