

## am EPOXICOTE 405F

### DESCRIPTION

**am EPOXICOTE 405F** is a two component epoxy resin priming and top coating system for properly prepared metal and concrete surfaces.

**Composition:** Based on epoxy resin and polyamine hardener

### Area of applications:

- Especially good for fresh water tank lining including portable water.
- Very good flexibility.
- Meeting specification for direct food contact surfaces.
- Good overall chemical properties.
- Can be applied by spray or other coating method such as roller and brushing.
- Commonly used in dairies, breweries and abattoirs.
- Very good for effluent treatment plants.
- Protection of steel and concrete storage tanks.

### MIXING RATIO

100 parts to 30 parts by weight (A:B)

Properties	am EPOXICOTE 405F	
	Part A	Part B
Viscosity	3000 – 6000 cps	30 – 80 cps
Specific Gravity	1.5 gm/cm <sup>3</sup>	0.85 gm/cm <sup>3</sup>
Shelf life	06 months	06 months
Flash point	80°C	0°C

### Thinning

- Use Thinner up to 20% when used as a primer
- For top coat maximum thinning is 10%, however losses due evaporation must be taken into account.

### Recommended system

Normally one coat of the primer which can be up to 100 micron thick if required with two coats of the finishing coat. Service life increases with increase in the thickness of the coating. For protections which are not exposed to the environments, a single coat will provide an adequate long term protection.

**Theoretical coverage:** about 5 to 8 sq.m per kg @ 25 micron.

**Method of application:** Pretreatment of substrate is very important in order to achieve a good bond between substrates. All oil and grease must be removed from the surface. For steel surface, the steel must be blasted to near white metal ie about 50 to 70 micron blast profile. For concrete surface all rough surface must be grinded to remove all uneven surface and the concrete must be at least cured for 28 days. Any form oil and curing agent must be removed by abrasive blasting. Coating can be done with a roller, paint brush or spray method.

**Mixing:** Mix one can of **am EPOXICOTE 405F** part A with one can of **am EPOXICOTE 405F** part B thoroughly until an even consistent color is achieved. Mixed **am EPOXICOTE 405F A/B** must be used up within 2 – 3 hours at 30 deg.C

**Coating between coats:** max 18 hours  
@30 deg.C

**Storage Life:** Minimum 06 months is  
sealed container.

**Packing:** 5 kg and 20 kg set

**Ventilation:** vapors may cause explosion  
therefore it has be well ventilated especially  
in tank lining or in enclose areas. Thorough  
air circulation must be present at all times  
during and after application until the coating  
is cured. All precaution must be taken by all  
applicators with regards to safety and  
health of personnel. Non sparking and  
explosion proof equipments are to be used.  
Hyper sensitive persons must be clean  
protective clothing and gears. A barrier  
cream must be used in all expose areas by  
this class of personnel.

**CLEANING OF TOOL:** tools and  
equipment must be clean immediately after  
use with EPOXIPOX equipment cleaner.

**SAFETY PRECAUTIONS:** Contains  
EPOXY resin that may cause skin  
irritations. Polyethylene gloves provide  
good protections. If contact with eyes wash  
thoroughly with running water and seek  
medical help.



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

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