



## EPO100C - EPOXY RESIN CLEAR

### DESCRIPTION

100 % solids two-pack cycloaliphatic amine cured epoxy resin, designed for applications demanding high structural integrity, produces mortars exhibiting excellent adhesion and high structural strengths. The exceptional resistance to a wide variety of chemical spillage and fumes makes this product ideal for use in heavy industry or marine environments.

### SURFACE PREPERATION

Remove all loose, crumbly and drummy areas to obtain a sound surface, diamond grind or acid etch to expose firmly held aggregate. Ensure that surfaces are free of dust, oil and grease. Previous coatings should be tested or removed.

### MIXING

Mix 2 parts Resin with 1-part Hardener

Measure sufficient Hardener and Resin to be used in 30 minutes. Mix thoroughly using a low speed power mixer. Ensure that all the material on the sides and on the mixer is incorporated. Take care to avoid air entrapment in the mix.

Quartz sand can be added to produce mortars and self-level compounds. See table below.

SELF LEVELING COMPOUND	1 part liquid; 1 part fine quartz	= 90 MPa
FLOWABLE MORTAR	1 part liquid; 3 parts quartz	= 70 MPa
TROWELABLE MORTAR	1 part liquid; 4 parts quartz	= 55 MPa
STIFF MORTAR	1 part liquid; 6 parts quartz	= 50MPa

### TYPICAL APPLICATIONS

- Pulp and paper mills
- Refineries
- Food processing plants
- Sewerage treatment plants
- Water storage tanks

### FEATURES

- Tile like finish

# ALLPURPOSE COATINGS



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- Good chemical resistance
- Excellent adhesion
- High build application
- Bond strength stronger than concrete itself

## WEATHERABILITY

Some chalking and yellowing may occur on exterior exposure if not top coated with a suitable UV resistant coating such as APC500F. This does not affect the chemical structure of the product.

## GENERAL PROPERTIES

Solid content	100 % w/w
Work time per pack	0.5 hours
Tack free time	4hrs @ 25 degrees C
Finish	Gloss
Abrasion Resistance	Very Good

## RESISTANCE TO CHEMICAL SPILLS (7 days at 25deg.C)

Ammonia Solution (20%)	Sodium Hydroxide (30%)
Sulphuric Acid (30%)	Kerosene
Lactic Acid (5%)	Aviation Fuels
Sodium Chloride (50%)	Petrol
Tannic Acid	Hydrochloric Acid (20%)

## IMPORTANT NOTICE:

Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

### PRODUCT DISCLAIMER:

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product, including how to use and apply the product based on the information available at the time.

You should read this TDS carefully and consider the information in the context of how you will apply the product, including if it is being used in conjunction with any other products, the type of surfaces and the manner in which the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. All Purpose Coatings does not accept any liability either directly or indirectly for any losses suffered that arises from the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.