

## SmartCare APCOREP Epoxy Mortar

APCOREP Epoxy Mortar is a non-shrink and high mechanical strength properties epoxy based mortar which can be used for as a epoxy screed for flooring, honeycombed zones of structural elements as well as patchwork repair of RCC structures. It is a three component system comprising of Base (Resin), Hardener and quartz filler.



### PRODUCT BENEFITS

- High mechanical strength.
- Non-shrink epoxy mortar.
- Strong in flexure, compressive, tensile and bond strength.
- Excellent bond strength with concrete

### RECOMMENDED USAGE

- Epoxy screed industrial flooring application.
- Corrosion damaged structures.
- Honeycombed zones of structural elements.
- Impact resistant topping.
- Chemical resistant lining.
- Dilapidated RCC structures.

### PRODUCT FEATURES

#### AVAILABLE PACKS



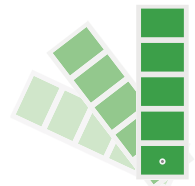
Shelf life: 12 months from the date of manufacture when stored in original un-opened packaging under normal conditions.

#### POT LIFE



#### COLOURS AVAILABLE

Base  
**Clear**  
 Hardener  
**Brown**



### HOW TO APPLY

Mix SmartCare APCOREP Epoxy Mortar Base and Hardener in the ratio of 2:1 by weight in a clean plastic container.

- Stir thoroughly for 5 – 10 minutes so as to achieve a uniform mix.
- Add Graded Quartz filler slowly and mix thoroughly to achieve a uniform mortar mix.
- The mortar after mixing shall be used within 30 minutes hence it is ideal to use small mixes at a time.
- Before application of mortar the surface to be primed with bond coat of Base and Hardener neat coating.
- It is important to clean, degrease and abrade the substrate thoroughly before applying

### ADDITIONAL INFORMATION

Technical Data	
Base	Epoxy Resin (Part A)
	Hardener (Part B)
Mix Proportion	Resin 2 PBW
	Hardener 1 PBW
	Quartz Filler 15-17 PBW
Setting Time	12 – 16 Hours
Curing	48 hours in air

Test	Results
Mixed Consistency	Homogeneous Mortar
Compressive strength, Mpa 7 days	65
Flexural Strength, Mpa 7 days	35
Tensile Strength, MPa 7 days	20
Bond with Concrete	Concrete Failure