

EPOXY BONDING MORTAR



- PRODUCT NAME : Epoxy Bonding Mortar
- PRODUCT CODE : FX-SB1000
- SIZE : 7KG
- RATIO : 3:1
- MIXED COLOR : Grey (with sand)

FX-SB1000 Epoxy bonding mortar is two components which include filler, for repairing cracked and worn concrete or stone floors. It offers unequaled hardness and epoxy bonding power making it stronger than concrete, while also quickly putting the surface back into use.

PRODUCT USAGE

- ☑ For floor and wall installations.
- ☑ For repair of damaged, dished or dangerous concrete or stone floors or stairs
- ☑ Industrial, commercial and institutional applications with extremely
- ☑ High mortar strength requirements.
- ☑ Applications requiring high acid and chemical resistance.
- ☑ Concrete, masonry, plaster.

ADVANTAGES

- ✓ Stands up to heavy traffic and chemicals.
- ✓ No shrinkage or crack.
- ✓ Repairing eroded or damaged concrete, bay edges and broken steps.
- ✓ Interior and exterior use.
- ✓ Two component and no need to add the additional sands.

TECHNICAL DATA SHEET

EPOXY BONDING MORTAR FX-SB1000



TECHNICAL DATA

Mixed resin and hardener only

Test Item	Test Result
Compressive strength @25°C	11.68 ksi @7 days
Tensile strength @25°C	5.03 ksi @7 days
Mixed viscosity @25°C	2450±450 cps
Flexural	10.59 ksi
Pot life - @25°C @40°C	2 hours 1 hour
Recoat time - @25°C @40°C	8 hours 6 hours
Slant shear bond strength	> 1.60 ksi (concrete failure)
Bond strength	>0.36 ksi (concrete failure)
Setting time	150 minutes @25°C

*** For information only - not for specification purposes.***

PROPERTIES

	PART A	PART B	MIXED
Supply form	Mortar	Liquid	Mortar
Color	Grey	Amber	Grey
Mix ratio	Part A : Part B = 3 : 1		
Density	1.5 kg/l		
Application Temp.	15°C-35°C		

STORAGE CONDITION & SHELF-LIFE

- 24 months shelf life when store in dry conditions between 5°C and 35°C. When stored in original sealed containers.
- Protect from direct sunlight.

APPLICATION INSTRUCTIONS

STEP1. PREPARATION

- Properly clean the surface for preparation. Surfaces should be clean, dry, free from oils and rough to ensure optimum adhesion.
- Mild steel and other metallic substrates shall be degreased, power wire brushed or grit blasted and vacuumed free from dust.
- Other substrates shall be sound, clean and free from dust, dirt, grease, oil and any oxidized surface layer.

STEP2. MIXING

- Epoxy resin with sand and hardener components shall be thoroughly mixed together using a stiff spatula or a slow speed drill with paddle attachment until a uniform grey mixture has been produced.

STEP3. APPLICATION

- The application of epoxy bonding mortar is best achieved using a spatula, trowel, serrated trowel or stiff bristled brush depending on the area to be treated.
 - ◆ **Bonding Surfaces**
FX-SB1000 shall be applied to each of the two surfaces to be bonded. The surfaces are then pushed together to achieve the required bond thickness. Excess adhesive should be removed and the joint protected from movement until the resin has set.
 - ◆ **Patch Repairs**
Scrape or 'knife in' the FX-SB1000 and finish with trowel, palette knife or spatula.
Note: For more inaccessible areas, FX-SB1000 may be placed into empty cartridges and injected into place using a standard sealant gun.

STEP4. CURING

- FX-SB1000 will be hard dry following 10-12 hours cure @ 20°C. At higher temperatures this period will be reduced and at lower temperatures this period will be increased.
- Allow 7 days for optimum mechanical properties and full chemical resistance.

HEALTH AND SAFETY INFORMATION

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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