

■ B ■
■ A ■



EPOXY HARDENER

EPOXY RESIN



www.bepcocalor.ir
info@bepcocalor.ir

Produced by:
BEPco.
World of Colors

Add: No. KH105, 2th Doran St., Doran Blvd.,
Faze 2, Shokouhiyeh Industrial Zone, Qom-IRAN
Postal Code: 3738117659
Tel: +98 253 3347041-3
Fax: +98 253 3347044



■
MEGAFIX
■

Description:

MEGAFIX is solvent free two component non-sagging adhesive based on modified epoxy resin and amine hardener. It is commonly used for structural bonding, gap filling, anchoring and repairs on concrete, marble, granite and other construction materials. This easy to use epoxy product (1:1 by weight and volume) shows superior tensile and compressive strength to stone and concrete, beside very good chemical resistance.

Applications:

- Bonding of natural stone
- Bonding of old concrete to new concrete
- Bonding of metal to metal/concrete
- Bonding of wood, bricks and ceramics
- Grouting bolts

Benefits:

- Excellent mechanical properties
- Easy to use (1:1 by weight and volume)
- Non-sagging behavior in vertical and overhead surfaces
- Low V.O.C
- Good chemical resistance
- No shrinkage after curing
- Good strength retention and abrasion resistance
- Impermeability toward water and chemicals

How to Applying:

Firstly, the surface should be clean, abraded and degreased. It is essential that the correct mixing ratio (1:1) be used and that the Part 'A' and Part 'B' are thoroughly mixed together before use. Inaccuracies and poor mixing will result in lower physical and mechanical properties. The mixing procedure can be done by spade tool for at least 3 minutes. After complete mixing, you have 15 to 20 minutes for working with MEGAFIX. At this period, adhesive was placed at the back of stone, concrete, ceramic and etc., part by part, in the equal distance. The pasty behavior of MEGAFIX can hold the lightweight stones, but for heavy stones, it should be fixed with mechanical clamp or instant adhesive.

Safety and Cleaning:

- Before complete drying, keep mixing impalements and working tool clean, with epoxy thinner.
- Use rubber gloves during work.
- If your skin touch MEGAFIX, wash it with soap and warm water, immediately.

Product Specifications:

Consistency	A component: Dark thixotropic paste
	B component: White thixotropic paste
	A+B: Gray thixotropic paste
Packing	4 kg
Keeping conditions	24 months in temperature range of 5-40°C / Keep far from direct sun light
Density (in 23 °C)	A: 1.7 g/cm ³
	B: 1.7 g/cm ³
	A+B: 1.7 g/cm ³
Resin to hardener mixing ratio	Weight: 1:1
	Volume: 1:1
Minimum application temperature	10 °C



Technical Data:

MEGAFIX is specially formulated using high quality raw materials. The properties of MEGAFIX was analyzed by Road, Housing & Urban Development Research Center (BHRC). The tensile strength of MEGAFIX was analyzed according to ASTM D 638. The compressive strength was tested based on ASTM D 695. The bending strength was reported according to ASTM D 790 and pull-off test was carried out based on ASTM D 4541. The properties of MEGAFIX is totally in line with international ANSI specifications.

Usable Life	45 min in 23 °C
Surface Drying Time	8 hours in 23 °C
Full Drying Time	24 hours in 23 °C
Complete Curing Time	7 days in 23 °C
Tensile Strength (ASTM D 638-03)	10-20 MPa (After 7 days)
Compressive Elastic Modulus (ASTM D 695-02a)	2197 MPa (After 7 days)
Compressive Strength (ASTM D 695-02a)	50-55 MPa (After 7 days)
Bending Strength (ASTM D 790-07)	15-25 MPa (After 7 days)
Pull Off (ASTM D 4541)	Concrete: 4.2 MPa, After 7 days (Delamination from concrete layer)

·MEGAFIX·