

Mandana Polymer Industrial Group

Manufacturer of Liquid waterproofing membrane Epoxy Adhesive, Epoxy Flooring part making epoxy & Polymer Detergent

Two-component epoxy adhesive for construction materials (ManaPoxy)



Manapoxy EP series is a two-component epoxy adhesive used for many applications including construction materials. It contains a pasty substance made from epoxy resin and a modified amine hardener. Mana Poxy has no volatile organic substances. It has strong adhesion and durability, resulting in a permanent bond. This adhesive is designed and formulated for both dry and wet conditions. Mana Poxy adhesive is available in six grades to meet different design industry needs.

Features /Application

advantages

- Easy to use in all weather conditions
- Creates long-lasting connections matching the structure's lifespan
- Suitable for dry, wet, and water-saturated concrete (refer to specific adhesive characteristics).
- No shrinkage
- Fast initial setting time with minimal friction
- Resistant to vibration and impact
- High impact and mechanical resistance
- Resistant to moisture, water, and acidity
- Effective in high and low temperatures (including subzero)
- Fills all types of seams for insulation
- Maintains strength even during long-term water immersion after full curing

Consumers

- Construction and civil contractors and engineers
- Installing corners, bolts, and rebars
- Stone slab installation
- Countertop and sink manufacturing
- Sealing ceramics and tiles
- Strengthening buildings against seismic activity
- Using in construction wall mesh
- Insulating buildings
- General construction tasks

Physical and functional characteristics ManaPoxy

Colour	Part A(Green/white)	Part B(Grey/Brown)
Minimum initial capture (10 to 40°C)	<30 seconds	
Minimum time required for initial cure	10°C	48h
	15°C	24h
	25°C	12h
	40°C	6h
Minimum time required for full cure	10°C	8 days
	15°C	4 days
	25°C	3 days
	40°C	2 days

Application and mixing ratio of Mana Poxy series epoxy adhesives

Adhesive	Adhesive(A)/Hardener(B) mixing ratio	Application
EP60	2(A):1(B)	<ul style="list-style-type: none"> Permanent repair of mosaic ceramic tile joints Capability to seal various types of seams for insulation at different levels.
EP62	3(A):1(B)	<ul style="list-style-type: none"> Installing various bolts, anchors, and nuts in concrete structures vertically and horizontally Placing different types of rebar in concrete structures vertically and horizontally Attaching metals to concrete Repairing and reconstructing cracked concrete Sealing and insulating various types of stone and ceramics
EP63	2(A):1(B)	<ul style="list-style-type: none"> Household applications Metal bonding Stone joining Concrete bonding Wood joining Plastic connections (fiberglass and glass) Repairing automotive, toy, spare, and electronic parts
EP65	2(A):1(B)	<ul style="list-style-type: none"> Connecting metal corners to concrete Repairing and rebuilding cracked concrete Linking concrete to concrete, metal to concrete, and stone to concrete Installing various types of stones, slabs, and ceramics Fitting tiles, ceramics, vanities, and countertops Use in dry building facades (no mortar needed) Sealing and joining metal surfaces
EP61	100g (A):2g(B)	<ul style="list-style-type: none"> Repairing seams in wet environments Repairing concrete structures in pools and dams (no need to drain water) Optimal performance in aquatic environments
EP64	1(A):1(B)	<ul style="list-style-type: none"> Suitable metal, stone, household items...



Standards and approvals of the company's products

- Operating license from the Organization of Industry, Mining and Trade
- High tech prodece certificate
- Complies with ISO 9001-14001-18001-IMS standards
- Holds over 19 patents

Storage & Safety considerations

- Store in a dry place, away from direct sunlight, water, and rain.
- Avoid storing the material at temperatures below 15°C
- Manapoxy adhesive is non-toxic, but it's advisable to wear gloves, safety glasses, and work clothes when handling it.

Warranty and after-sales support

The product comes with a one-year performance guarantee, with after-sales service provided for ten years.