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

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Application and mixing ratio of Mana Poxy series epoxy adhesives

Adhesive	Adhesive(A)/Hardener(B) mixing ratio	Application
EP60	2(A):1(B)	• Permanent repair of mosaic ceramic tile joints • Capability to seal various types of seams for insulation at different levels.
EP62	3(A):1(B)	• 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)	• 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)	• 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)	• 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)	• Suitable metal, stone, household items...








Standards and approvals of the company's products

- Operating license from the Organization of Industry, Mining and Trade
- High thech 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.

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