

TechnoPoxy™ PM

Megapoxy PM Adhesive

PRODUCT DESCRIPTION

TechnoPoxy™ PM is a specially formulated structural non-sag epoxy filler paste and adhesive. Once mixed, this easy-to-use 2-part epoxy is a highly durable adhesive that is ideal for bonding natural stone, concrete, steel, wood, glass and masonry. User-friendly 1:1 mixture is suitable for field use. One of the uses of Megapoxy adhesive is for facade joints. In fact, it can be said that it is a type of slab stone glue. Today, slab stones are used as one of the newest building stones in the stone and facade industry



Buildings
Structures



Transportation
Infrastructure



Water &
Wastewater



Oil, Gas &
Industrial



Waterfront
Structures



Industrial
Facilities

PHYSICAL PROPERTIES

	Unit	TechnoPoxy™ PM
Density	kg/l	1.45
Mixing Ratio	By Volume	1:1
Working Life	min	45
Minimum Application Temperature	°C	10
Minimum Cure Time	hour	12
Full Cure Time	day	4
Water Absorb	%	0.25 per cent after 24 hours

TECHNICAL DATA

Feature	unit	amount
Tensile Strength	MPa	25
Tensile Bond Strength	MPa	10
Compressive Strength	MPa	80
Flexural Strength	MPa	15

ADVANTAGES

- mixing ratio 1:1
- Easy to apply
- Creamy texture, and easy to blend
- No sagging on vertical surfaces
- It is easily attached and processed in cold and wet conditions.
- Maintains good strength after long-term immersion in water

TYPICAL USES

- Precast Concrete Parts
- Concrete Pipes and Tanks
- Grouting bolts
- Natural stones
- Insitu formed concrete
- Concrete floors and stairs
- Bricks and ceramics

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

metal:

It should be sandblasted to clean the surface.

Mechanical polishing, degreasing.

Wire brushing is not entirely satisfactory and provides minimal adhesion.

Painted surface:

A branded paint stripper should be used.

Concrete - Surface can be flame-cleaned or mechanically sanded.

MIXING METHOD

It is important to use the correct mix ratio and mix Part "A" and Part "B" thoroughly before use. Inaccuracy and poor mixing will degrade the physical properties of the cured system, and if the error is large enough, the system will not fully cure and may discolor over time.



LIMITATIONS

- It may be harmful with skin contact
- Do not apply in freezing conditions or during precipitation
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry
- Do not use when air and surface temperatures are below +5°C and above +35°C
- Avoid heavy traffic for 24 hours

CAUTION

The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Safety Data Sheets (SDS) for detailed information.

FAIRST AID

Skin

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

Eyes

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

Inhalation

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

Ingestion

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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