

# Megapoxy<sup>®</sup>

## World-leading epoxy adhesive solutions

For performance,  
ease and style

Stone, marble & more

Bond + Secure

Strengthen + Repair

Elegance + Endurance





## The Megapoxy Difference

Megapoxy is proud to support the performance, safety and longevity of structures, products and equipment across the globe. We are high-strength epoxy adhesive specialists, crafting solutions to solve real industry challenges. We work with clients to achieve the perfect result, smoothly and efficiently.

We develop, produce and manufacture advanced formulas to bond, strengthen, repair, preserve and protect. Backed by the highest quality standards and certifications, our clients enjoy reliable supply, fast turnaround, expert advice and support worldwide. Trusted for 50 years, we constantly innovate for today and tomorrow.

# Timeless Solutions



The natural beauty of stone calls for something special. We help your architecture, structures and designs to stand the test of time – with strength and durability that can't be matched.

Choose the right solution for your project, schedule and application. With adaptable formulations, our team can help you achieve the perfect fit for specific challenges.

Versatility is key for all our solutions. They are all specially developed to bond, strengthen and repair a wide range of materials: from stone to cement, metals to masonry, timber to fibreglass.

Best of all, we ensure simple application and time-saving efficiencies every step of the way. From major commercial and infrastructure projects to high-end homes, Megapoxy is your stepping stone to success.

# Structural Adhesives | Pastes

## Megapoxy®

### PM WHITE

#### Epoxy Paste Adhesive



#### Paste Adhesive

- Non-sag: Enables stonemasons to install panels at varying distances from the wall and fix panels of marble, granite and stone to vertical or inclined surfaces.
- Appearance: White creamy consistency, doesn't stain, burn or dehydrate sensitive masonry materials.
- Style: Also ideal for small tile adhesion and artisan work such as mosaics.
- Elasticity: Allows for temperature variations and seismic movements.

#### Big advantages

- Efficient: Simple 1:1 mix ratio and application, easy-blend texture.
- Strength and durability: Highly chemical resistant, superior tensile and compressive strength.
- Reliable and resilient: Cures in adverse conditions.



### Perfect to:

- ✓ Bond stone, concrete, steel, timber, glass and masonry.
- ✓ Bond and secure grouting bolts.
- ✓ Fill and seal holes, voids and defects.
- ✓ Repair concrete pipes, tanks, columns, floors and stairs.

# Structural Adhesives | Pastes

## Megapoxy®

### PF WHITE

Rapid Set  
Epoxy Paste Adhesive



### Rapid set paste

- All the benefits of Megapoxy PM – but faster, sets in 3-5 minutes.

### Big advantages

- Efficient: Simple 1:1 mix ratio, ideal for on the spot critical repairs and fixing.
- Strength and durability: Highly chemical resistant, superior tensile and compressive strength.
- Reliable and resilient: Cures in adverse conditions.



### Perfect to:

- ✓ Bond stone, concrete, steel, timber, glass and masonry.
- ✓ Bond and secure grouting bolts.
- ✓ Fill and seal holes, voids and defects.
- ✓ Repair concrete pipes, tanks, columns, floors and stairs.

# Structural Adhesives | Gels

## Megapoxy®

### 69

#### High Strength Epoxy Adhesive Gel



#### Adhesive Gel

- Precise: Thin glue line applications for mitering and intricate work.
- Translucent: Easily coloured with Megapoxy pigments to match with architectural requirements.
- Consistency: Easily notched troweled to provide even glue lines over facade laminations.

#### Big advantages

- High strength: Premium bond strength and durability.
- Versatility: Tile and assembly adhesive that bonds to nearly all surfaces.
- Resilient: Exceptional and sustained impact resistance, withstands harshest conditions.





### Perfect to:

- ✓ Assemble and bond granite and marble fabrications, for strong and seamless connections.
- ✓ Bond structural timber and joinery.
- ✓ Bond metals to metals, concrete and masonry.
- ✓ Repair boats and other marine applications.

# Laminating Resins | Liquids

## Megapoxy®

### HX

#### Extra Low Viscosity Epoxy Resin



#### Liquid Resin

- High Flow: Easy spread for penetration and sealing of sensitive stone.
- Adhesion: Excellent wetting out of substrates and stone mesh netting.
- Dispensing: Ideal for use with automated systems and processes.

#### Big Advantages

- Extra-low viscosity: Rapid penetration, flows deep into cracks.
- Solvent free: Safety, environmental and performance benefits. Nil VOC.
- Appearance: Superior resistance to yellowing.

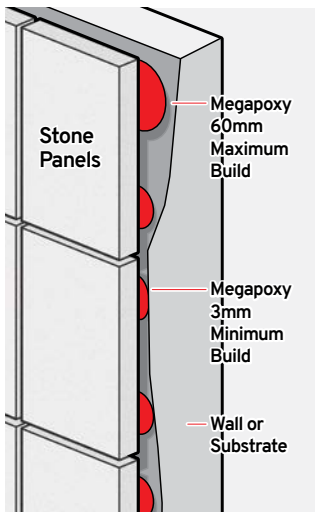


## Perfect to:

- ✓ Strengthen stone: Fill hairline cracks, prevent damage and breakages.
- ✓ Reinforce slabs for safer handling and transport.
- ✓ Reinforce slab back nets and fibreglass mesh for ultra-endurance.
- ✓ Fortify stone surfaces for better quality polishing finish.
- ✓ Fill and seal porous substrates such as masonry and timber.

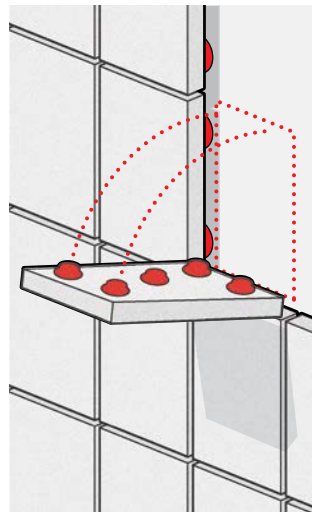
# Simple and Versatile Application

## Panels: Spot Fixing



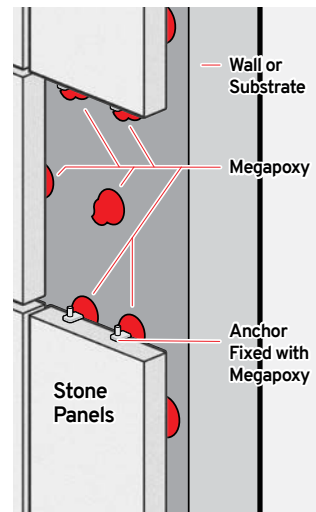
1

Megapoxy PM/PF are non-slump fixing materials that are perfect for installing panels accurately on out of plumb walls.



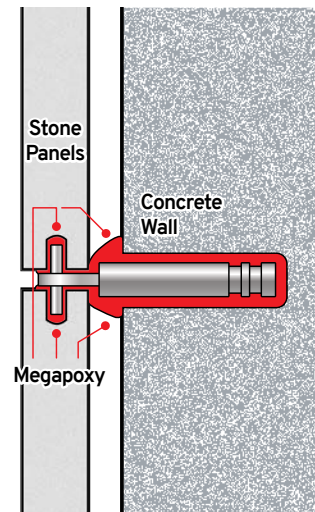
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The process is easy. Apply one spot in each corner and one in the centre – or 10% adhesive surface coverage – to permanently fix panels of marble and granite.



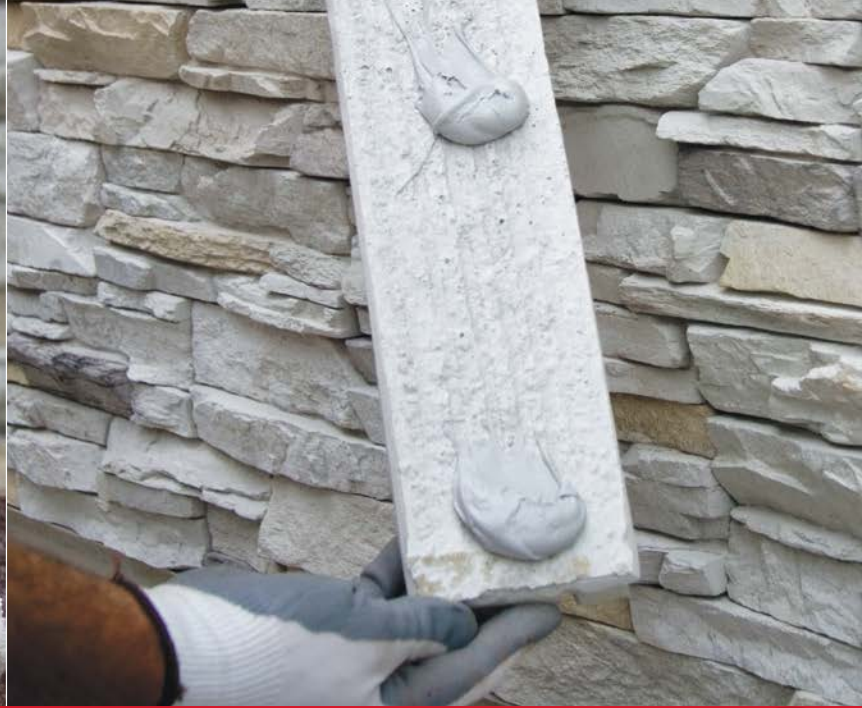
3

This creates a ventilated cavity that provides thermal, acoustic and dampness insulation to the structure – making open joint cladding practical.



4

Large panels can be securely fixed using stainless steel wire ties or anchors with Megapoxy PM/ PF or PM DuoMix.



## Tiles: Adhesion

Megapoxy PM/PF are also ideal for small tile adhesion, mosaics and assembly works.



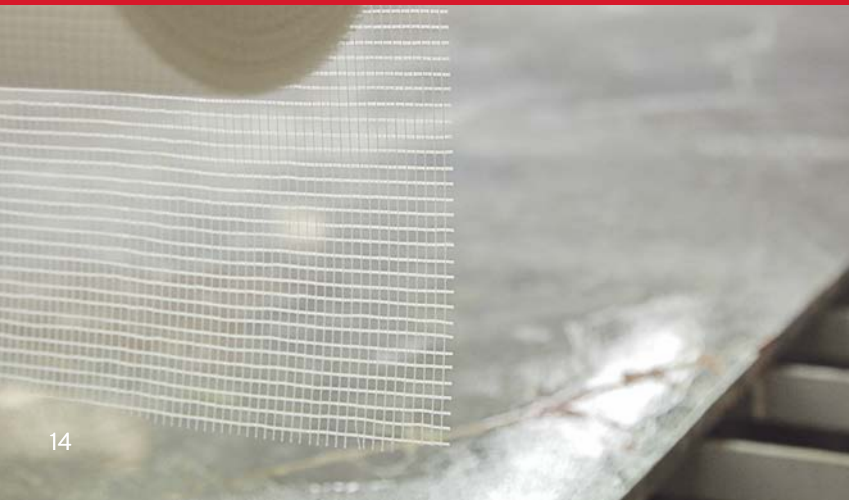
## Stone Fabrication:

Megapoxy 69 is used for bull-nosing and mitering of natural and engineered stones. Its translucent gel consistency allows for minimal glue lines and can be coloured with Megapoxy pigments to complement and enhance architectural design.



## Laminating for Stone Reinforcement:

Megapoxy HX is used for strengthening natural stone and bonding fiberglass reinforcement.



# Product Specifications

SPECIFICATIONS	MEGAPOXY PM	MEGAPOXY PF	MEGAPOXY 69	MEGAPOXY HX
Colour:	White paste	White paste	Translucent gel	Clear liquid
Mix Ratio by Volume:	1:1	1:1	1:1	3:1
Work Time at 25°C:	45 min	3-5 min	45 min	60 min
Minimum Cure at 25°C:	24 hrs	1 hrs	24 hrs	24 hrs
Full Cure at 25°C:	> 24 hrs	> 2 hrs	> 24 hrs	> 24 hrs
Concrete Bond Strength:	>3.0 MPa	>3.0 MPa	>3.0 MPa	>3.0 MPa
Timber Bond Strength:	4-5 MPa	4-5 MPa	4-5 MPa	4-5 MPa
Flexural Strength:	37 MPa	46 MPa	25 MPa	35 MPa
Tensile Shear Strength:	> 10 MPa	> 10 MPa	> 15 MPa	> 10 MPa
Compressive Strength:	80 MPa	70 MPa	65 MPa	80 MPa
Slant Cylinder Test:	Pass	Pass	Pass	—
Volatile Organic Compound:	Nil VOC	Nil VOC	Nil VOC	Nil VOC
Features	Non-sag, high strength, general purpose, bonds to most construction materials.	Rapid set non-sag, ideal for on the spot critical repairs and fixings.	Gel style, ideal for thin film stone fabrication, structural timber joinery and metals.	Extra low viscosity penetrating resin, superior resistance to yellowing, ideal for sealing natural stone, strengthening and fiberglass netting.



# Your Global Support Network

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