

FLEXCO MEGAMORTAR

Epoxy Mortar

Description	<p>MEGAMORTAR Epoxy Mortar is a convenient to use two part silica sand filled adhesive and jointing system developed especially for construction and concrete work.</p> <p>MEGAMORTAR Epoxy Mortar will cure under most conditions in thick film to an extremely hard durable surface with negligible exotherm and shrinkage.</p> <p>MEGAMORTAR Epoxy Mortar can be applied in underwater situations as well as to dry surfaces.</p> <p>Suitable as a patching and forming compound for all concrete products and ferro-cement boats.</p> <p>Use as a bedding compound for reinforcing rods and starter bolts into existing concrete. For sealing concrete and most plastic pipes in plumbing and construction applications.</p> <p>For use as a grout in industrial clean room or chemical usage areas, and ideal to adhere tiles under water in swimming pools.</p>												
Curing Grades	<p>Standard (Summer) Will cure all year round</p> <p>Winter Faster curing when overnight temperature is below 10°C</p>												
Appearance	<p>A filled resin and hardener which, when mixed together, have a similar consistency and colour to new concrete. It is generally not possible to tell the difference between MEGAMORTAR Epoxy Mortar and concrete.</p>												
Mixing Ratio	<p>Use one part resin to one part hardener by volume or weight. Use mixed resin within 30 minutes.</p>												
Cure	<p>14°C overnight. Total cure is effected over 2-3 days. May be accelerated by post curing at 60°C for 2-3 hours. Do not use in temperatures below 4°C.</p>												
Hold Up	<p>In thick film, excellent. MEGAMORTAR Epoxy Mortar Epoxy Mortar has an inherent thixotropic aspect, and exhibits no slump during the cure process.</p>												
Packaging	<table><tr><td>500 x 500 ml units</td><td>=</td><td>1 litre pack</td></tr><tr><td>1 x 1 litre units</td><td>=</td><td>2 litre pack</td></tr><tr><td>4 x 4 litre units</td><td>=</td><td>8 litre pack</td></tr><tr><td>10 x 10 litre units</td><td>=</td><td>20 litre pack</td></tr></table>	500 x 500 ml units	=	1 litre pack	1 x 1 litre units	=	2 litre pack	4 x 4 litre units	=	8 litre pack	10 x 10 litre units	=	20 litre pack
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Density	<p>approx. SG1.90</p>												
Hardness	<p>Shore D. 90</p>												
Compression Strength	<table><tr><td>24 hrs</td><td>approx. 45 MPa</td></tr><tr><td>7 days</td><td>approx. 80-90 MPa</td></tr></table>	24 hrs	approx. 45 MPa	7 days	approx. 80-90 MPa								
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Solids	<p>100%</p>												
Weight Loss	<p>N/A</p>												

Flexco (NZ) Ltd

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PO Box 98866 South Auckland Mail Centre, Manukau City, New Zealand



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SOLVING TOMORROWS BUILDING PROBLEMS - TODAY

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Shrinkage	N/A
Application Method	<p>Thoroughly mix the MEGAMORTAR Epoxy Mortar epoxy resin and hardener by trowel blending on a flat surface, or by hand mixing using disposable gloves. (See CAUTION.) When thoroughly blended, material will be a uniform grey colour.</p> <p>Addition of water into the mix will lower all physical and adhesive strengths.</p> <p>Remove all laitance and degrease work surface. Trowel onto area or cavity to be filled to the desired thickness. Avoid air entrapment (voids). Wet surface only and smooth off. Working time is approximately 30 minutes at 20°C.</p>
Handling	<p>MEGAMORTAR Epoxy Mortar is isocyanate free. Contains epoxide resin and amine hardener. Current health thinking suggests that these products should not contact the skin, and prolonged breathing of the vapours should be avoided. Prolonged exposure to epoxy resins can cause dermatitis. Use gloves and protective clothing. Use approved eye protection to avoid splashes. Do not smoke while using MEGAMORTAR Epoxy Mortar. Epoxy on cigarettes can be ingested as dangerous decomposition material. Practice clean and safe occupational work habits at all times. Harmful if ingested. Keep out of reach of children.</p>
Fire	<p>Do not breathe the toxic fumes when burnt. Fight fire with approved extinguishers of the BCF, CO₂, dry chemical powder, or blanket foam types.</p>
First Aid	<p>Contact with skin: Wash uncured system off skin immediately, with industrial soap and water.</p> <p>Contact with eyes: Flush liberally with water for at least fifteen minutes. Seek medical attention.</p> <p>Inhalation: Do not attempt to enter a suspect area without breathing gear. Remove to fresh air source. If breathing stopped, use resuscitation techniques. If suffering narcosis, remove from affected area and affected clothing. Keep patient warm. Seek medical attention.</p> <p>Ingestion: Do not induce vomiting. (This can cause the liquid to enter the lungs.) Give copious quantities of milk or water. Seek medical attention.</p>
Clean Up	Use soap and water to remove uncured resin off hands and utensils.
Shelf Life	Tightly sealed containers will store in excess of one year. Use older material first.
Storage	Keep in tightly sealed original containers in a cool place. Do not store near boilers or other sources of heat. Do not store in direct sunlight.
Caution	<p>Epoxy resins and their curing agents will cause skin sensitization if in continuous contact.</p> <p>Use disposable plastic gloves to avoid skin contamination.</p>

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Caution Cont.

Epoxy cleaning solvent should never be used to wash hands.

If resin comes into contact with skin, wash uncured resin off with soap and water.

Wear safety glasses to avoid eye contamination.

Mixed formulation contains epoxy resin and amines.

KEEP OUT OF REACH OF CHILDREN.

DO NOT INGEST.

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