



Metolux®

VERTICAL & OVERHEAD REPAIR

METOPLAST

2 Part General Purpose Thixotropic Polyester Building Mortar

Product Description

General Purpose Polyester Building Mortar, Metolux Metoplast has a thixotropic mixed consistency. It is designed predominantly for vertical and overhead applications and repair. The product has the unique single unit packaging system of a premixed aggregate and hardener compounds which react once combined with the resin component.

Benefits

The benefits of Metoplast include:

Single unit packaging, styrene free, easy to mix and easy to apply (thixotropic), good chemical resistance, good structural characteristics, adheres to almost any surface, excellent sealant qualities, cures down to 5°C, re-usable unit, strong container, easy to pigment & ready to use.

Uses

As a patch mortar for:

Concrete materials, Brick & Mortar or Stone, Ceramic, Tile or Glass elements, all metals incl. Iron, Aluminium, Copper etc. Marble, wooden structures, adhesive or repair applications, bedding in (eg floor tiles), gap & crack filling in voids, grouting, ideal for horizontal (overhead) or vertical repair.

Application

Mixing Ratio

As supplied. Please mix the full unit.

Mixing Method

Remove the resin tin and cardboard dividing card from the package, stir the resin contents thoroughly prior to use. Combine all of the resin tin contents with the aggregate mix in the plastic unit and mix until an even consistency is achieved. We recommend the use of a slow speed mechanical mixer for 2-3 minutes.

Application Method

Apply by trowel, spatula or scraper with a minimum thickness of 1mm. Ensure adhesion takes place while the product is still mobile and tacky. Components should be supported during curing to prevent slippage.

Tool Cleaning

Use a solvent based thinner on tools on uncured material only.

Pot Life

Size	Working Time at Different Ambient °C		
	+5	+15	+30
5kg	90 minutes	30 minutes	15 minutes

FULL CURE 24 HOURS

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System Information

Coverage	0.6m ² @ 1mm Thickness. Visit www.metolux.co.uk for usage calculator.
Preparation	The applications surfaces must be sound, clean and dry and free from oil, grease, rust or surface water. Smooth surfaces should be abraded beforehand. Always check substrate quality e.g. Concrete surfaces must be in excess of 28 days old.

Application Conditions

Substrate	Minimum substrate temperature +5C - +30C Max.
Ambient	Minimum ambient temperature +5C - +30C Max.
Material	Minimum material temperature +5C - +30C Max.
Damp Surface	Not suitable for applying to damp surfaces.

Product Data

Nature	Smooth Paste.
Colour	Light Grey.

Packaging	Polypropylene Container 5kg (3.1 Litres or 6.6 Litres mixed product)
Storage & Shelf Life	24 Months from Date of Manufacture. Storage between +5°C and +25°C Avoid contact with direct sunlight. Storage must be in dry conditions. Packaging must remain airtight at all times.

Technical Data

Chemistry	Polyester Resin Formula
Density	1.60 g/cm ³ at 25°C mixed.
Layer Thickness	Minimum thickness 1mm application. Layers above 30mm build up in stages, observing the relevant gel time between stages.

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Mechanical & Physical Properties

Compressive Strength 24 Hours @ +20°C - 81.64 N/mm - Tested to ASTM D695

Flexural Strength 24 Hours @ +20°C - 28.10 M/pa - Tested to ASTM D790

Tensile Strength 24 Hours @ +20°C - 15.00 N/mm - Tested to ASTM D638

Flexural Modulus 24 Hours @ +20°C - 4366 M/pa - Tested to ASTM D790

E-Modulus Compressive - 19029 N/mm² (24 hrs @ 20°C) ASTM D790

Testing & Approvals

Approval / Standards ASTM - American Standards of Testing and Materials

Important **IMPORTANT:** The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as Chemfix Products cannot know the varied uses to which its products may be applied, or the methods of application used, no warranty as to the fitness or suitability of its products is given or implied. It is the users responsibility to determine suitability of use. For further information please contact our Technical Department.