

EPOXY MORTAR FOR COVING AND GROUTING

**VERSATILE SITE GROUTING COMPOUND
LOW EXOTHERM AND LONG WORKING TIME
NON-SLUMP VERTICAL APPLICATIONS
WATER SMOOTHABLE, LOW TOXICITY**

PRODUCT DESCRIPTION:

A three component, solvent-free epoxy aggregate filled grout designed to have excellent surface wetting properties with a long working time. In its wet uncured state the grout can be cleaned off tiles with water. The cured mechanical properties achieved make it the ideal construction site general purpose repair and grouting compound.

USES:

- Grouting reinforcing bars and anchors.
- Bearing pads and machine base supports.
- Floor joint and honeycomb concrete repair.
- Cove skirting and tile joint grout.
- Sealing cracks and correcting levels on floors.
- Bonding construction products to concrete.

PACKAGING & COVERAGE:

1 Litre Resin + 6kg # 622 Aggregate = 3,64 litres
 5 Litre Resin + 5 x 6kg # 622 Aggregate = 18,20 litres
 Screed: 0.73m²/litre at 5mm thick
 Cove: 3,6 linear metres 3mm x 100mm x 100mm x 25mm radius
 Tile Grout: 20 linear metres per litre for 10mm x 5mm tile gap

SURFACE PREPARATION:

Surfaces must be clean, sound and dry. Exposed concrete surfaces must be sandblasted or chipped to show the well-bonded main aggregate. Steel should be grit-blasted, clean, free of rust, paint or foreign matter likely to affect the bond or performance of the repair.

MIXING:

Precondition material to between 15°C and 25°C before using. Premix each component of the kit. Add the Activator component to the Base component and mix thoroughly for 3 minutes with a slow speed drill. Do not aerate or mix more material than can be placed in 30 minutes. To prepare an epoxy mortar, slowly add pre-packaged Stonhard 622 Dry graded aggregate to a kit of mixed resin and mix to a uniform consistency.

APPLICATION:

Using a wooden float, apply the mixed mortar to the surfaces, ensuring full contact with base and sides of the cavity. Using a steel trowel or in the case of tile grouting, a pointing trowel compact and smooth the surface, wiping the trowel with a sponge and water to remove resin tack.

CLEAN-UP:

Clean equipment immediately after use with Pro-Struct 105 Cleaner and rinse with clean water.

LIMITATIONS:

Application temperature of substrate to be 15°C and rising. Low temperatures adversely affect application spread rates and time to achieve bond. Hot temperatures decrease working time. Do not apply over wet surfaces. Do not thin with solvent.

PRECAUTIONS:

Use materials in strict accordance with the manufacturer's Material Safety Data Sheet. Protective clothing and equipment will significantly reduce risk of injury. Body coverage apparel, safety goggles and impermeable gloves are recommended. In case of contact, flush with copious amounts of water and seek medical attention. Dispose of waste materials and containers in strict accordance with Government Regulations.

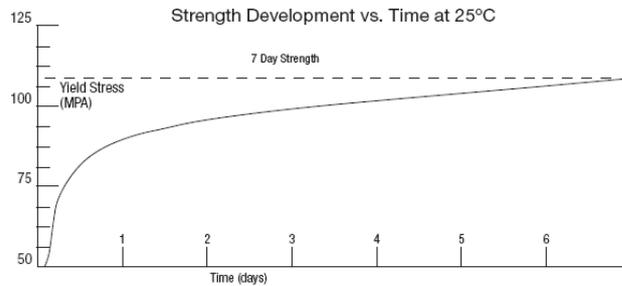
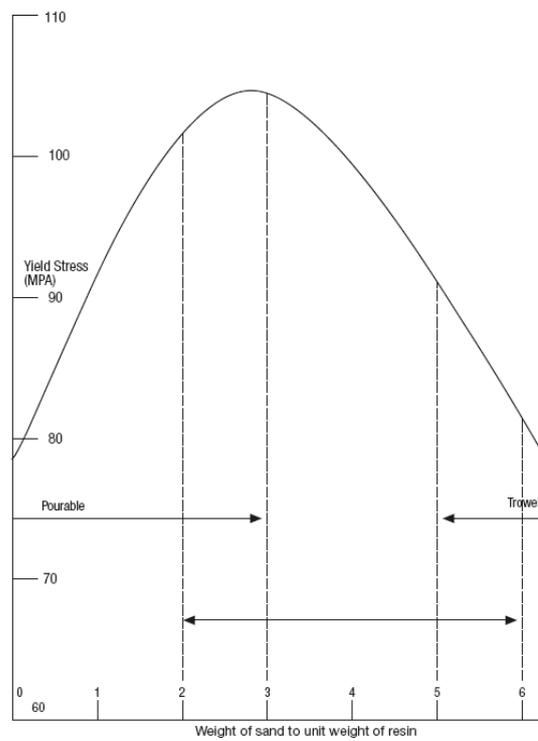
TYPICAL PROPERTIES AT 25°C

Colour	Dark Amber
Consistency	Trowelable Mortar
Volume Solids	100%
Number of Components	3
Mix Ratio by Volume (Base:Activator)	2:1 + 6kg # 622 Aggregate
Pot Life	60 to 90 Minutes
Apply Over	Prepared concrete or steel
Apply By	Trowel
Initial Set	8 Hours
Service	24 Hours
Full Cure	7 Days
Application Temperature Range	15°C to 35°C
Maximum Service Temperature	60°C
Compressive Strength	>90 MPa at 7 days Refer to aggregate:resin loading graph
Concrete Bond Strength	Breaks concrete
Shelf Life	24 Months if stored between 15°C to 35°C
VOC	< 3 g/l

APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

PRO-STRUCT 618/22 GROUTING COMPOUND



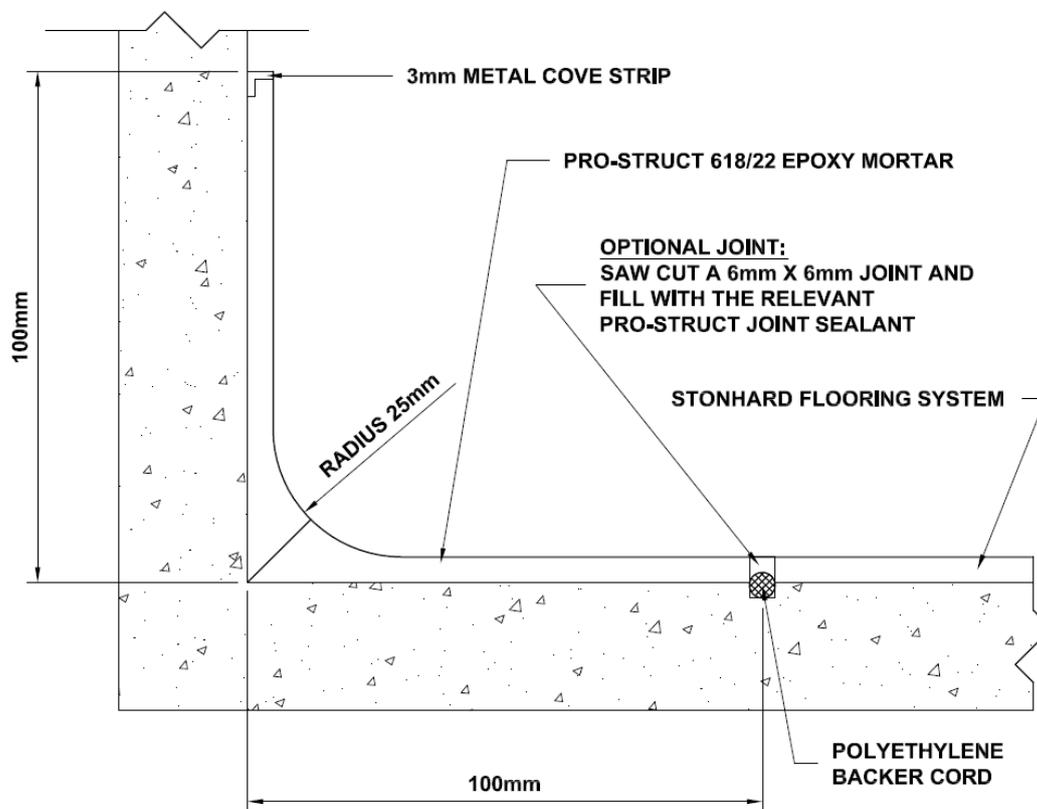
CAUTION: MAY CONTAIN FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRONIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST, WORKMEN SHOULD BE REQUIRED TO USE NON-FERROUS TOOLS AND TO WEAR CONDUCTIVE AND NON-SPARKING SHOES.



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APPLICATION PROCEDURE FOR EPOXY MORTAR COVERED SKIRTINGS

- Epoxy mortar covered skirtings shall be installed prior to the installation of the flooring system.
- Install the metal cove strip to the wall to the desired height using contact adhesive, taking care to mask above the cove strip for neatness.
- Prime the prepared plastered / concrete surfaces with Pro-Struct 618R at a theoretical coverage of 15 linear metres x 200mm wide per 1 litre kit and broadcast Stonhard 6222 Aggregate into the wet resin. Allow 6 to 8 hours to cure at 25°C.
- Mix the 1 litre kits of base and activator of Pro-Struct 618/22 for 2 minutes using a JB blender. Add the 6kg bag of Pro-Struct 622 aggregate and mix for a further 2 minutes. The yield of this kit is 3,64 litres. Using a steel trowel, apply the Pro-Struct 618/22 Mortar to the primed concrete and plastered surfaces to a theoretical spreading rate of 3,6 linear metres for a 100mm x 100mm x 25mm radius.
- Form the cove to the desired radius using a suitable coving trowel, allow to cure for 18 to 24 hours at 25°C.
- Abrade the vertical surface of the cove to remove surface imperfections.
- Overcoat the coving with the proposed flooring sealer.

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