

WHO 60® : Polymer Modified Grout

Description

WHO 60 is a high-performance shrink-compensated cementitious grout which rapidly develops compressive strength. It is suitable for bonding steel reinforcement within aperture in masonry.

The polymer-modified mortar comprises powdered and liquid formulations in a sealed mixing bucket containing two packs of the powder (Part A) and two bottles of the liquid polymer (Part B).

When mixed to a smooth, creamy consistency with a powered paddle, the blend yields 3litres of thixotropic mortar, offering exceptional cohesive fluidity for easy application under low pressure. Mix a single pack of the powder with one full container of the liquid to yield a smaller half batch quantity.

- Non-shrink, quick-gelling grout
- High compressive & flexural strength
- Flows easily under injection pressure

Mixing

Pour $\frac{3}{4}$ of the liquid component into a bucket and slowly add the powder while mixing continuously with a powered paddle-type mixer. Add the remaining fluid to obtain the required consistency. Mix for a minimum of 5 minutes to produce a smooth, cohesive grout.

Once mixed, WHO 60 grout is ready to use and is workable for 20 to 30 minutes, depending upon temperature.

As it is thixotropic, the mixture will "gel" shortly after mixing. Re-mixing the grout with the electric mixer will return it to its workable consistency.

Do not add water or other additives to the mixture!

- Handy two-pack set for half batch mixes
- Thixotropic for re-agitation
- Bonds steel reinforcement into masonry

Applications

The design application of WHO 60 grout is for bonding Thor Helical bars into masonry via pre-formed slots or boreholes.

The grout is integral to the Thor Helical crack stitching and brick beam/lintel development systems that strengthen and upgrade unreinforced masonry walls (URM).

Apertures in the masonry must create a minimum clearance of 3mm around the reinforcing component.



Method statement

1. Mix the powder and fluid elements of WHO 60 for 5 minutes, as per mixing instructions, and load the mixture into an applicator.
2. Dispense grout into a pre-formed and saturated aperture in masonry wall, filling from the rear of the aperture, to the specified depth.
3. Install the connecting element or reinforcement member, ensuring complete grout coverage around the circumference of the reinforcing component, and make good to match the existing finishes.

Product Characteristics

WHO60® Grout at 28 Days at 20°C

Compressive Strength:	= 55N/mm ²
Tensile Strength:	= 5N/mm ²
Flexural Strength:	= 12N/mm ²
Youngs Modulus:	= 13N/mm ²

Store in dry conditions at 5°C - 35°C

Health & Safety

Avoid unnecessary skin contact. In case of eye contact, irrigate with clean water and seek medical attention. Refer to product Health and Safety Material Data Sheets before use.

Thor Helical
KKM Buildings,
Old Reservoir Road,
Portsmouth, UK
PO6 1SU

View product installation videos on our website.