GIC Tile Mortar (S)

High Performance Tile Mortar

Uses

- Used as a high quality adhesive for permanent fixing of ceramic tiles, natural stones, etc.
- Used for fixing of insulating and acoustic boards based on expanded polystyrene etc.
- Used especially in areas of prolonged or permanent contact like kitchens, bathrooms, etc.
- Highly recommended for external tile claddings.

Typical Applications & Advantages

- Thin or thick bed
- Excellent adhesion
- Tile on tile
- Waterproof
- Easy to mix and use
- Economical

Standards Compliance

GIC Tile Mortar (S) complies with the requirements of the following standards:
CIRIA Technical report 143

Product Description

GIC Tile Mortar (S) is a cement based tile adhesive for the thin or thick bed fixing of marble tiles and stones, ceramic and glazed tiles, clinkers and mosaics, in both internal and external situations. Suitable substrates are concrete, glazed and unglazed tiles and suitably prepared timber. Unlike conventional tile adhesives, **GIC Tile Mortar (S)** is both hydraulically and organically bound which ensures good adhesion of the tiles to the surface.

Typical properties

Pull-off strength	:	>1.0N/mm²
Mixed Density	:	1850 kg/m³
Colours	:	Grey and White
Shelf life	:	12 months

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

Surface Preparation: As with all bonding materials surface preparation is of paramount importance. Remove all laitance, oil, grease, mould oil, curing compound, using a wire brush, brush hammer, or for large floor areas use a scrabbling machine.

Mixing: All mixing should be carried out in a forced action mixer. Charge the mixer with the correct quantity of **GIC Tile Mortar (S)** and premix for one minute. Pour in the desired quantity of water and mix for 3 to 5 minutes. Do not over mix and protect mixed material dirt, dust, wind and sun.

Application: Mix **GIC Tile Mortar (S)** along with water to the required and suitable consistency. Apply to the substrate at a 3 mm depth, working in maximum 1 m^2 areas at a time. Use a trowel to form ribs in the adhesive and press the tiles into position using a twisting motion. Start tiling from the top or bottom allowing a 1 – 3 mm gap between tiles. Wipe off excess adhesive with damp cloth. Ensure that at least 90% of the adhesive has made contact with back of tile. Work in small areas to ensure skinning of the adhesive does not occur. Skinning will prevent effective bonding.

When using heavily studded tiles, comb the adhesive onto the substrate. Then butter the hole of the back of the tile with adhesive and press firmly into position with a slight twisting action on either side. If required support the tiles until grip is attained.

Grouting: Rake out joints before the adhesive has set and grout with the appropriate GIC Tile Grout. Positioning of tiles can only take place whilst the adhesive is wet.

Watch Point

All movement joints must be carried through the tiles.

Coverage

Coverage varies with bed thickness, undulations, porosity of the tiles, etc. Typically 5kg/m^2 for 3mm bed thickness is possible.

Packaging & Storage

GIC Tile Mortar (S) is supplied in 25kg bags and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

GIC Tile Mortar (S) does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

For further information refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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