



### Product Description

**GIC TILE MORTAR** is a cement based tile adhesive for the thin or thick bed fixing of ceramic and glazed tiles, clinkers and mosaics, in both internal and external situations. It is particularly suitable when used in areas exposed to permanently wet conditions. **GIC TILE MORTAR** is waterproof and will not breakdown in applications of permanent immersion. Suitable substrates are concrete, renders, glazed and unglazed tiles and suitably prepared timber.

Unlike conventional tile adhesives, **GIC TILE MORTAR** is both hydraulically and organically bound which ensures good adhesion of the tiles to the surface.

### Typical Applications

**GIC TILE MORTAR** is typically suited for use in all process areas of prolonged or permanent contact with water i.e. swimming pools, shower and bath areas, kitchens, abattoirs, external cladding etc.

Other applications include the fixing of tiles onto existing glazed tile surfaces. When using glass mosaics consider the use of **GIC TILE MORTAR** to fix and grout in one operation.

### Advantages

- Thin or thick bed fixing.
- Excellent adhesion to many substrates.
- Tile on tile applications.
- Waterproof – permanent immersion does not effect adhesion.

### Typical Properties

<b>Composition</b>	: Blend of Portland cement and graded sand reinforced with hydraulic and organic binders.
<b>Toxicity</b>	: Non toxic
<b>Plastic Density</b>	: 1850 kg/m <sup>3</sup>
<b>Yield</b>	: 25 kg mixed with 6.25 litres of water yields 18 litre of adhesive
<b>Flash Point</b>	: N/A

**Colours** : Grey and White

**Storage** : 12 months

### Specification Type

**GIC TILE MORTAR** meets or exceeds the following standards:

BS 5980 Type 1 Class AA

ANSI A.118.1 - 1976

ASTM C387

### Directions for Use

**Surface Preparation:** Surfaces to receive tiles should be clean, sound, stable and free from laitance, paint, oil, grease, mould release agents and residual curing compounds. Highly absorbent and porous surfaces should be thoroughly wetted down with clean water or sealed with a primer coat of **GIC TILE LATEX** prior to application of tiles. Ensure that tiles are dry and free from contaminants.

**Mixing:** Add the required amount of cool, clean water to a forced action mixer and slowly introduce the **GIC TILE MORTAR**. Mix thoroughly to a thick and creamy consistency and let stand for 10 minutes. Part bags may be mixed using a slow speed drill and paddle mixer by adding **GIC TILE MORTAR** to clean water at ratios of 4:1 by weight or 2:1 by volume.

Hand mixing is only acceptable for very small quantities and is not recommended.

**Application:** Apply **GIC TILE MORTAR** to a maximum area of 1m<sup>2</sup> @ a thickness of 3-6mm. Press tiles into place with a slight twisting motion ensuring the tile back achieves full contact with the adhesive. Solid bed fixing should be used for wet conditions, for ceramic, quarry, terrazzo and marble floor tiles, and for vertical heavy-duty applications. Alternatively, the adhesive may be buttered on to the back of the tiles to ensure full adhesive contact. For other vertical applications, use a 6mm notched trowel to horizontally comb the adhesive bed to remove excess. Remove adhesive from the tile faces with a damp cloth before setting.

**Coverage:** Solid bed fixing 3mm- 4.2 kg/m<sup>2</sup>.  
Notched trowel, smooth bed fixing- 2 kg/m<sup>2</sup>.

**Spacing:** Ceramic tiles should not be butt jointed; leave a gap of 2mm around each tile. To ensure even spacing, tile spacing string or spacers of the required thickness are recommended.

**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.

**Watchpoint:** All movement joints must be carried through the tiles.

### **Packaging & Storage**

**GIC TILE MORTAR** is supplied in 25 kg bags. Store unopened bags in clean, cool, and dry areas protected from direct sunlight. Store as for cement. Original unopened bags may be stored for up to 12 months.

### **Health & Safety**

**GIC TILE MORTAR** contains no hazardous substances however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes wash thoroughly and immediately with warm water. If swallowed seek medical attention.

### **Other Bonding Agents & Tiling Products available from GIC.**

**TufBond EP** – Epoxy resin bonding agents suitable for bonding new to old concrete,

**TufBond GP** – General purpose priming adhesive for epoxy overlays and toppings.

**TufBond AR** – Single component, acrylic bonding agent & curing aid for use with TufBuild repair mortars.

**TufBond TA** – Chemically resistant epoxy tile adhesive & grout.

**GIC TILE GROUT** – Water resistant, polymer modified cement based grout.

**GIC WALL TILE ADHESIVE (WTA)** – Acrylic modified ready mixed wall tile adhesive paste

**GIC TILE LATEX** – Rubber latex admixture for enhancing the physical properties of cement based mortars.

*Rev. Jan 2004.*

## **Gulf International Chemicals SAOG**

Plot No. 68, Road No. 7, Rusayl Industrial Estate,  
P.O Box 132, Postal Code: 124, Rusayl,  
Sultanate of Oman.  
Tel: +968 626800, Fax : +968 626808  
E-mail : gulfchem@omantel.om

NOTE: GIC Products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies available on request. Advice given on the use of GIC Products, both written and verbal, is given in good faith and is based on a both scientific and practical knowledge. GIC cannot, however, accept liability, either directly or indirectly, arising from the use of its products as it has no direct or continuous control over where or how the products are used or applied. It is the responsibility of the owner, his representative or contractor to check the suitability of GIC Products as to intended use and aims.