

TECHNICAL INFORMATION

TARMAC CEMTHIX

Product Data Sheet: Construction and Installation Grouts

DESCRIPTION

Tarmac CemThix is a shrink compensated high early strength cementitious thixotropic grout that contains no chlorides. It is designed to produce a high strength grout or mortar for structural support of precast panels.

USES

Tarmac CemThix is used to grout vertical and horizontal joints between linked precast wall segments and to infill gaps between and beneath precast wall segments providing structural support.

Tarmac CemThix is chloride free and can be used in contact with steel reinforcement.

KEY PROPERTIES

- Contains no chlorides.
- Shrinkage compensated – reduced risk of cracking, high bond strength.
- Single component – easy to use.
- Will remain in place without shuttering once pumping is complete.
- Thixotropic properties resist hydrostatic pressure in the joints being filled.
- Factory batch and quality controlled.
- High strength.
- Rapid strength gain.

YIELD

Bag size	Yield
25kg	14.2 Litres
1000kg	568 Litres

These figures are approximate and take no account for site wastage.

MIXING INSTRUCTIONS

Tarmac CemThix should be mixed using water which complies with BS EN 1008 (as for concrete).

Tarmac CemThix should be mixed using a slow speed high torque mortar mixer or forced action mixer such as a Creteangle. Large quantities should be mixed using a mixer pump such as a Putzmeister SP11. The water/solid ratio used should be 0.18 which equates to 4.5 litres of water for each 25kg bag. The required quantity of water should be added to the mixing vessel after which the powder should be added slowly whilst mixing. Mixing should continue for at least 3 minutes.

TYPICAL PERFORMANCE

All tests performed at 20°C using a WSR of 0.18

Compressive strength at 18-22°C N/mm ²		
1 day	7 days	28 days
27	48	70
Flexural N/mm ²		
1 day	7 days	28 days
4	9.5	11
WSR		0.18
Density		2000-2100 kg/m ³

For more details contact:
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The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

APPLICATION

All contact surfaces must be clean and free of any loose material, mill scale or oil contamination. The product can be placed at temperatures between 5°C and 35°C. Low temperatures will result in slower setting times and will retard strength development. When placing the product in high temperatures or high drying conditions exposed surfaces should be suitably protected. The product should be placed using a suitable pump e.g. a worm pump (refer to manufacturer's instructions for use). The grout should be forced into the gap using a pumping lance or similar ensuring the gap is completely filled. The exposed surface should be finished using a damp steel trowel.

QUALITY CONTROL

All Pozament products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

CLEAN UP AND SPILAGES

Dry powders should be swept up and disposed of in accordance with the Local Authority.

PACKAGING AND STORAGE

Tarmac CemThix is available in nominal 25kg sacks, palletised and shrink wrapped. **Tarmac CemThix** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers.

Palletised **Tarmac CemThix** should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high.

The product should be used on a first in – first out basis.

Shelf life is minimum 3 months when properly stored but could be in excess of 6 months subject to temperature and humidity.

HEALTH & SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

Contains Portland Cement Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before reuse. R38 - Irritating to skin. R41 - Risk to serious damage to eyes. S26 - In case of contact with eyes, rinse immediately with water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection. S2 - Keep out of reach of children.

INFORMATION, PRICES & ORDERING

For technical information, pricing and to place orders contact our Sales Office on the following:

Telephone: 03444 630 046

Email: pozament@tarmacbp.co.uk

Visit our website: Pozament.co.uk

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