

Titan Ties Cementitious Grout is a high-performance, pre-blended anchoring grout engineered with polymer-enhanced additives to deliver exceptional strength and stability. Designed for versatile application, it can be injected using a pointing gun or placed by trowel to create a reliable bond between masonry substrates and steel fixings.

Only clean water is required to activate the blend, producing a cohesive, shrink-compensated grout suitable for anchoring and crack stitching. Once installed, Titan Ties Cementitious Grout expands to form a tight interface within the prepared hole or chase; securing bolts, wall ties, helical bars, or other reinforcement elements firmly into the surrounding material.

The formulation is compatible with a wide range of construction materials - including natural stone, brickwork, blockwork and concrete.

#### TYPICAL USES

- Installation of Titan Ties Crack Stitching bars
- Installation of Titan Cementitious Ties
- Fixing of anchors, bolts, and starter bars
- Bedding of bearing plates, grouting & packing.

#### COMPOSITION

A single component, fully blended mix comprising of:

- Quartz sand 0 - 0.8mm
- Binding Agent according to DIN EN 197
- Grout Additive

#### PROPERTIES / COVERAGE

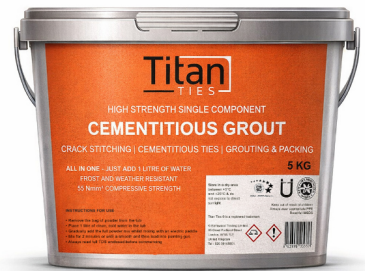
- Colour - Grey
- Supplied in 5KG tubs
- Typical shelf life 6 months, stored indoors
- Yields 3 litres of grout when mixed with 1 litre of water
- Coverage: 1 mixed tub is sufficient for 10 linear metres of crack stitching or 5 linear metres of cementitious ties (assuming a 22mm hole)

#### SAFETY

- Keep out of the reach of children
- Wear protective gloves / clothes / eye-protection
- In case of contact with the eyes: Rinse gently with water for a few minutes.
- Avoid dust inhalation
- Refer to detailed MSDS for full information

#### CHARACTERISTICS

- All in one & simple to mix - just add water
- Conforms to DIN EN 998-2 and DIN V 18580
- Frost and weather resistant
- Pumpable
- High Strength - 55 N/mm<sup>2</sup>



#### INSTRUCTIONS FOR USE

- Remove the bag of powder from the tub
- Place 1 litre of clean, cold water in the tub
- Gradually add the full powder mix whilst mixing with an electric paddle
- Mix for 2 minutes or until a smooth and then load into pointing gun
- Grout will remain usable for approx 30 minutes
- Grout should be re-mixed every time pointing gun is re-filled
- Masonry substrates should be free from dust and wet prior to application
- Do not use when temperatures exceed 25°C or are below 5°C

Criteria	Performance Achieved
Compressive Strength (1 Day)	43.3 N/mm <sup>2</sup>
Compressive Strength (7 Days)	54.5 N/mm <sup>2</sup>
Compressive Strength (28 Days)	> 55 N/mm <sup>2</sup>
Bending Tensile Strength	> 9 N/mm <sup>2</sup>
Capacitive Water Absorption	> 0.05 Kg/m <sup>2</sup>
Fire Classification (Euroclass)	A1



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All buyers are advised to wear suitable personal protective equipment and check available product data to satisfy themselves of safe operating procedures. Buyers should seek the advice of a structural engineer or suitably qualified surveyor prior to undertaking installation. Information provided is for guidance only and no liability is taken. The buyer is responsible for ensuring the materials procured are suitable and fit for purpose. 'Structural Supplies Online' and 'Titan Ties' are registered trademarks and trading entities of Earlswood Trading Limited, all rights reserved.