

TECGRIP C

POLYMER REINFORCED CEMENT BASED ANCHOR GROUT

Product Codes

TGR36 Packaging listed overleaf

Description

Tecgrip C is a two-part cementitious anchor grout. The powder component is based on a Portland cement mix with high quality graded silica sands plus a synergistic blend of admixtures. The liquid component is based on a styrene butadiene co-polymer which acts as the total gauging liquid. The package is a plastic pail, which will act as the mixing vessel. The pack weights are ready for mixing to a pumpable grout and must be used as supplied. **No part mixing.** The grout is pumped into place using a Pumpable mortar cartridge gun. Each filling of the gun must be used within 5 minutes to avoid thickening. The product in the pail must be mixed each time a gun filling is carried out.

The injected grout will tighten in the anchor hole and fix the bolt or other unit into the substrate. Tecgrip C is suitable for fixings into most construction materials including concrete, rock, brickwork, masonry blockwork or other substrates capable of carrying the design load.

- Uses include:**
- Ties into brick arches
 - Overhead rail tracks
 - Starter bars and dowels
 - Wall ties
 - Anchor slots

Typical Strength Properties @ 20°C

Compressive Strength

1Day	3Days	7Days
30N/mm ²	50N/mm ²	60N/mm ²

Specification Outline

Anchor grouting shall be carried out using Tecgrip C as manufactured by Tecroc Products Ltd. The product must be stored handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The company's quality system conforms to BS EN ISO 9002:1994 and is assessed by : SGS Yarsley International Certification Services Ltd.

Standards

Tecgrip C has been tested in accordance with the appropriate parts of BS 6319, BS 1881

Instructions For Use

Preparation

Holes should be drilled with rotary percussive drills on air or water flush wherever possible. If fluted drills are used, the holes should be cleaned by wire brushing and blown out with clean compressed air. The air line should be extended to the bottom of the hole to ensure complete removal of drilling debris and dust.

Prior to application the drilled holes should be dampened with water and any excess water blown out.

Mixing

Tecgrip C is a two part mix supplied in the correct mixing proportions. **Do not attempt part pack mixing.** The outer package is a plastic pail which is used as the mixing vessel. Pour all of the liquid component into the pail and add the powder component slowly whilst continuously mixing. The use of a slow speed high torque drill and Mortar Stirrer is recommended. After all the powder component has been added continue mixing for a further two minutes to ensure a homogenous mix.

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Instructions For Use

Placing

Load the mixed anchor grout into the cartridge of the injection gun. Use an extension tube for the cartridge to allow filling of the hole from the bottom to the mouth. Immediately after placing the injection grout, insert the bolt, bar, wall tie, slotting or other fixing. Gently agitate the inserted fixing to ensure complete contact by the anchor grout. Once placed do not disturb before the anchor grout has hardened.

Each pumpable mortar cartridge filling should be used within 5 minutes. The total working life of the mix will be approximately 60 minutes. Prior to each cartridge loading the material in the pail should be re-mixed to maintain grout workability.

For best tensile anchorage results a minimum embedment depth of 100mm is recommended. Hole diameters may be varied but a minimum of 2mm all round clearance should be used. This clearance may be increased for ease of placing fixings into deep holes.

Parameters controlling Uniaxial Pull Out Load:

- Type and strength of base material.
- Length of anchor bond.
- Hole forming or drilling method.
- Type of fixing, bolt or bar.

Safety Factors:

- Non critical applications : 1.5 minimum
- Critical applications : 2.0 minimum
- Compliance with relevant codes of practice and standards.

Tecgrip C may be placed at temperatures of 5°C to 35°C. For placing at temperatures outside this range contact the Technical Service Department.

Curing

During high temperature ambient conditions placed Tecgrip C should not be allowed to dry out for the first three days after placement. Exposed areas of placed Tecgrip C should be cured in accordance with good concrete practice including polythene sheeting or spray applied curing membrane.

Precautions

Health and Safety

Tecgrip C is alkaline when mixed and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.

Full health and safety data is given in Product Safety Data Sheet.

Fire

Tecgrip C is non-flammable.

Yield

Tecgrip C is supplied in a two-pack format packaged in a plastic pail. The yield of mixed material from each pack is 3 litres.

Storage And Shelf Life

Tecgrip C will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures and high humidity may reduce the shelf life.

Tecgrip C must be protected from frost

Packaging and Ordering

Tecgrip C is supplied in:
3 litre pail Product Code TGR36

Pumpable Mortar Cartridge Gun :
Item Product Code: TP 80

For further information and sales please contact your local Tecroc Products Office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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