

WHITE CS GROUT

Product Codes

TG15, Packaging listed overleaf

Description

White CS Grout is a high strength non-shrink grout based on a white Portland cement mixture. The formulation has been developed to enable commercial colour matches to be made to concretes, which are themselves off white and containing local sands and aggregates.

White CS Grout is a pre-packed product ready for on site mixing. The mixed grout gives high strength and good flow plus non-shrink properties. The placed grout gives structural support and good resistance to vibration. White CS Grout is chloride free and can be safely used in contact with reinforcing steel. The specialised mix design enables placement at low water content leading to good freeze-thaw stability, low water absorption plus resistance to oil, seawater and mild alkali attack.

Placement thickness may be in the nominal range of 10mm to 100mm. For thicker sections suitably coloured aggregate should be added at a rate of up to one to one by weight of aggregate to one part by weight of White CS Grout. The grout is placed by pouring or pumping and may be machine or hand mixed.

- Uses include:**
- In conjunction with white or off white concrete structures
 - Structural support situations and areas where good vibration resistance is required
 - Jointing between precast units where the joint will be visible on the external faces of the structure

Specification Outline

Grouting shall be carried out using White CS Grout as manufactured by Tecroc Products Ltd. The product must be stored, handled and placed 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 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

Typical Grout Properties @ 20°C

Compressive Strength

Water addition 5 litres per 25kg bag

| 1 Day | 3 Days | 7 Days | 28 Days |
|---------------------|---------------------|---------------------|---------------------|
| 20N/mm ² | 42N/mm ² | 51N/mm ² | 67N/mm ² |

Density 2150 kg/m³.

Coefficient of Thermal Expansion 11 x 10⁻⁶/°C

Compressive Modulus 30kN/mm²

Setting Times Initial: 240 minutes
Final : 360 minutes.

Standards

White CS Grout has been tested in accordance with appropriate parts of the following standards:
B.S.1881 B.S.4550

Instructions For Use

Preparation

Formwork should be erected and made grout-tight. The work area and formwork must be designed with sufficient hydrostatic head to ensure grout flow into and across the grouting area. Saturate the grouting area with water for 1 hour before commencing the grouting operation then blow out any surplus water.

Mixing

Pour 5 litres of clean water into the mixing vessel for each complete bag of White CS Grout. Slowly add the White CS Grout to the water whilst continually mixing. Mechanical mixing is preferable using either a high torque slow speed drill with a Grout Stirrer or a grout mixer set on slow speed. High speed or colloidal mixing will cause thixotropy leading to loss of flow.

Placing

Grout should be placed within 20 minutes of mixing. Continuous placing is important, pouring from one side of the formwork until the grout appears at the opposite side of the grouting area. Do not disturb once grouting has been completed until grout has hardened.

White CS Grout may be placed at temperatures between 5°C and 35°C. For advice on placing at temperatures outside this range contact the Technical Service Department.

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Curing

Placed grout which is exposed should be cured in accordance with good concrete practice including the use of a water spray, close fitting plastic sheeting or the spray applied concrete curing membrane, polycure

Precautions

Health and Safety

White CS Grout is alkaline when mixed with water 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 are given in Product Safety Data Sheet

Fire

White CS Grout is non-flammable

Yield

Each 25kg bag will yield approximately 13.25 litres of mixed material.

Storage And Shelf Life

White CS Grout will have a storage life of 12 months in unopened bags when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures or high humidity may reduce shelf life.

Packaging And Ordering

White CS Grout is supplied in:

25kg valvesack bags Product Code TG15

Polycure is supplied in:

5kg polybottles Product Code AF03

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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