

TS GROUT

Product code

TG33, packaging listed overleaf.

Description

TS Grout is an all fines mix of Portland cement, admixtures and expanding agents. When mixed with water the resulting mix gives a non-shrink grout with good pumpability and flow plus high strength properties. TS Grout may also be used for grouting narrow gaps down to 10mm in structural support situations, back grouting including stabilising of loose fill and gabions. TS Grout can be pumped or poured, machine or hand mixed. The placed grout has non-shrink properties avoiding plastic settlement and ensuring full contact with grouted elements. Resistance to freeze-thaw, high early strength and low water absorption ensure long-term stability.

Typical Grout Properties @ 20°C

Compressive Strength

Water addition 7.5 litres per 25kg bag TS Grout

1 Day	3 Days	7 Days	28 days
28N/mm ²	43N/mm ²	51N/mm ²	62N/mm ²

Flexural Strength : 7.0N/mm²

Density : 2100kg/m³

Coefficient of Thermal Expansion : 11x10⁻⁶/°C

Compressive Modulus : 30kN/mm²

Setting Times Initial : 260 minutes

Final : 290 minutes

Flow Properties (Concentric Ring Test)

Water Addition 7.5 litres: Flow 230mm

50mm represents nil flow

(Grout stands after ring is removed)

Specification Outline

Grouting shall be carried out using TS Grout as manufactured by Parex Ltd. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

Quality Assurance

Parex Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by UK CARES LTD.

Standards

TS Grout has been tested in accordance with appropriate parts of EN 12390, ASTM C827

Instructions For Use

Preparation

Formwork should be designed to resist the grouting pressure and must be made grout-tight. When placing under gravity flow, sufficient hydrostatic head must be present to ensure grout flow into and across the grouting area. Saturate the grouting area with water, leave for 1 hour and then blow out any surplus water.

Mixing

For each 25kg bag of TS GROUT, 7.0 to 8.0 litres of water are required. For single bag mixes suitable mixing may be achieved using a high torque slow speed drill with a Grout Stirrer. For larger mixes use a standard grout mixer such as the Groutmaster, Putzmeister or Colmixer series. Pour the required quantity of clean water into the mixing vessel. Slowly add the TS Grout to the water whilst continually mixing. When using high shear mixers do not over mix as this will cause undue thickening of the mixed grout. Keep the mixed grout in a slow agitating holding tank prior to placing.

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. TS Grout may be placed at temperatures between 5°C and 45°C. For placing 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 water spray and spray applied curing membrane.

Precautions

Health and Safety

TS 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. For full health and safety data refer to Product Safety Data Sheet.

Fire

TS Grout is non-flammable

Yield

Each 25kg bag of TS Grout will yield approximately 15 litres of mixed material.

Storage And Shelf Life

TS Grout will have a storage life of 6 months in unopened bags when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures and high humidity may reduce shelf life.

Packaging And Ordering

TS Grout is supplied in 25kg valvesack bags.
25kg valvesack bags Product Code TG33
For further information and sales please contact your local Parex office as listed below.

Parex Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex 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.