



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Speedsure S Grout Data Sheet

Specification notes

Product: **Speedsure S Grout**

Supplier:

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Speedsure S Grout Data Sheet

SPEEDSURE S GROUT

Product Codes

AG03, Packaging listed overleaf

Description

Speedsure S Grout is a Portland cement based product giving high strength, good flow and non-shrink properties.

The mix design contains a specially formulated blend of fine cement powders, a graded high purity sand, and a synergistic blend of admixtures. The grout powder is pre-packaged in 25kg durable, moisture resistant bags ready for onsite mixing. When mixed with water the product produces a material that develops a very rapid gain in early compressive strength giving 25N/mm² in 2 hours. Placed grout is non-shrink and gives structural support and good vibration resistance. Speedsure S 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 6mm Aggregate should be added at a rate of up to one to one by weight of Aggregate to one part by weight of Speedsure S Grout

Uses include: In situations that require a quick gain in early compressive strength.

Repairs to car parks, forecourts, loading bays and ramps that require early trafficking.

Factory floor repairs, ruts, hollows and cracks.

Grouting in marine/ tidal zones.

Fast-track installation of pre-cast units.

Fast-track installation of base plates.

Typical Physical Properties @ 20°C

Compressive strength

Water addition: 15% or 3.75 Litres per 25 kg bag Speedsure S Grout

1 Hour	1.5 Hours	2 Hours
12N/mm ²	20N/mm ²	25N/mm ²

1 Day	7 Days	28 Days
40N/mm ²	52N/mm ²	70N/mm ²

Density: 2210 kg/m³

Consistency: Fluid grout

Set Times to EN197:

Initial Set: 10 minutes

Final Set: 15 minutes

Standards

Speedsure S Grout has been tested in accordance with the appropriate parts of the following standards:

EN12390 EN197

ASTM C827 ASTM C230

Specification Outline

Grouting and repair works shall be carried out using Speedsure S Grout as manufactured by Parex Ltd. The product must be stored, handled and used 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.

SPEEDSURE S GROUT

Instructions For Use

Preparation

All necessary preparatory work must be completed before the grout is mixed.

Formwork should be erected and made grout-tight. The formwork must be designed with sufficient hydrostatic head to ensure grout flow into and across the grouting area. Ensure that all surfaces with which the grout will come into contact are clean and dust free. A strong concrete substrate free of all friable material will enhance a good bond. Concrete surfaces must be thoroughly soaked with water and all standing water, prior to application, must be removed.

Mixing

For each 25kg bag of Speedsure S Grout, 3 litres to 3.75 litres of water are required. Single bag mixes should be prepared using a high torque slow speed drill with a Grout Stirrer. Pour the required quantity of clean water into the mixing vessel. Slowly add the Speedsure S Grout to the water whilst continually mixing. Continue mixing for 1 minute then place grout immediately.

Placing

Speedsure S Grout should be hand poured into place immediately after 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 before the grout has hardened.

Speedsure S Grout may be placed at temperatures between 5°C and 35°C. For temperatures above 20°C care should be taken to avoid premature setting before complete placement has been achieved.

Curing

After grouting has been completed, or when the formwork is removed, any exposed grout must be cured immediately with Polycure at the rate of 10m²/litre. During adverse weather conditions, such as high temperatures and drying winds, a second application of Polycure should be applied after the first application is dry.

Precautions

Health and Safety

Speedsure S 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

Speedsure S Grout is non-flammable

Yield

Each 25 kg bag will yield approximately 12 litres of mixed Speedsure S Grout

Storage And Shelf Life

Speedsure S Grout will have a shelf life of 6 months when kept in dry conditions at a temperature of 5°C to 35°C. Storage at higher temperatures or high humidity may reduce the shelf life.

Packaging And Ordering

Speedsure S Grout is supplied in 25kg bags
25kg Bag Product Code: AG03

Polycure is supplied in:
5kg polybottles Product Code: AF03

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.