

RENOGROUT XF100

High Performance Non-Shrink Cementitious Grout

Description

RenogROUT XF100 is a one part free flowing grout, suitable for a wide range of applications including heavy duty supports, wind masts and stanchion bases.

RenogROUT XF100 is supplied as a ready to use blend of dry powder which only requires the addition of water. The material is based on Portland cement, graded aggregates, special fillers and chemical additives.

RenogROUT XF100 can be used for gap widths of 10mm to 100mm, **RenogROUT XF100** exhibits excellent thermal compatibility with concrete and good water repellence, the low water content ensures fast strength development and long term durability.

Applications

Renocem XF100 is used in areas that require high workability and early strength such as heavy duty supports and bases.

Benefits

- Good bonding properties
- suitable for pumping or pouring
- High early and later age strength
- Excellent shrinkage properties
- Low permeability
- Non Chloride
- Good thermal properties

Properties

RenogROUT XF100

Compressive strength: @ 1 day 80.0N/mm²
Compressive strength: @ 7 days 90.0N/mm²
Compressive strength: @28 days 100N/mm²
Flexural strength: @ 1 day 8.0N/mm²
Flexural strength: @ 7 days 9.0N/mm²
Flexural strength: @ 28 days 12.0N/mm²
Expansion: 1%
Bonding strength: @ 28 days 2.0N/mm²
Yield: 13.2 litres / 25kg
Minimum Application Temperature 5°C
Slump Flow Test >900mm

Approximate Yield for a 25kg pack

13.2 litres

Workability Time

(Temperature)	(Minutes)
5°C	55
10°C	40
20°C	30

Ensure that the material is placed during its open life, discard hardened materials. Do not re-temper.

Standards

RenogROUT XF100 is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Storage

Renogrout XF100 should be stored undercover, protected from extreme temperatures and stored unopened within the range 5°C and 30°C. Moisture ingress will cause the product to harden.

Handling

Please refer to the **Renogrout XF100** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

Packaging

Supplied in 25 kg bags.

Preparation: Clean the surface and remove any dust, contaminated material, plaster, oil, paint, grease, latence, corrosion and algae. We recommend sand blasting as the best method of preparing the surface. The surface should be saturated and any excess water removed before the application.

Mixing: Using a forced action mixer is essential, using a free fall mixer may result in the powder not being fully mixed, for normal application to get a free flowing material mix 2.8 litres of water with 25kg of powder (full bag) into the mixer and mix together for 3 minutes to a maximum 5 minutes. Note that the powder must always be added to the water.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

Application: Apply the mixed **Renogrout XF100** to the prepared substrate by pump or by pouring. The finished material should be used within 30 minutes of mixing. In temperatures below 5°C the use of hot water is advisable to help accelerate the strength, the material should not be applied when the substrate and or air temperature is below 5°C.

Curing: The **Renogrout XF100** in common with all cementitious material must be cured immediately after finishing in accordance with good concrete practice.

Notice: In cold conditions below 5°C the use of hot water is advisable to help accelerate the performance of the material. In high temperatures above 35°C the material should be stored in shade and cooler water used for mixing.

Renogrout XF100 contains cementitious powders which can be harmful to the skin, in line with normal handling procedures, personal protective equipment should be worn.

Refer to the Material Safety Data Sheet for full details.

Please consult the OSCRETE Technical Department for advice on admixture selection.

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