

RENOGROUT GP

General Purpose Non-Shrink Cementitious Grout

Description

Renogrout GP is a one part non shrink free flowing grout, suitable for a wide range of applications including stanchion base, grouting, anchoring, tie bars and joints.

Renogrout GP 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 GP** can be used for gap widths of 10mm to 75mm, **Renogrout GP** exhibits excellent thermal compatibility with concrete and good water repellence, the low water content ensures fast strength development and long term durability.

Applications

Renogrout GP is used in areas that require high workability and early strength such as supports, bases and grouting.

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 GP

Compressive strength: @ 1 day	15.0N/mm ²
Compressive strength: @ 7 days	40.0N/mm ²
Compressive strength: @ 28 days	50N/mm ²
Flexural strength: @ 1 day	3.0N/mm ²
Flexural strength: @ 7 days	6.0N/mm ²
Flexural strength: @ 28 days	9.0N/mm ²
Shrinkage:	0.01%
Bonding strength: @ 28 days	2.0N/mm ²
Yield:	13.5 litres / 25kg
Minimum Application Temperature	5°C

Approximate Yield for a 25kg pack + 4.1 litres of water

13.5 litres

Volume Increase 15 minutes to 120 minutes

1.0%

For optimum performance Renogrout GP should be used within 25 minutes of mixing, for temperatures higher than 20°C this period may be shortened.

Standards

Renogrout GP is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Storage

RenogROUT GP 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 GP** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

RenogROUT GP contains cementitious powders which can be harmful to the skin

RenogROUT GP should be removed from tools and equipment immediately after mixing with clean water. Hard material can be removed with **Osrel Expel**.

Packaging

Supplied in 25 kg bags.

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.

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 4.1 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.

Application: Apply the mixed **RenogROUT GP** to the prepared substrate by pump or by pouring. The finished material should be used within 25 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: **RenogROUT GP** in common with all cementitious material must be cured immediately after finishing in accordance with good concrete practice.

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

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