

Dani Grout S-12000

HIGH FLUIDITY, DUAL SHRINKAGE COMPENSATED GROUT

Description

DANI GROUT S-12000 IS A PRE-MIXED, CHLORIDE FREE, ONE PART CEMENTITIOUS POURABLE GROUT, PROVIDING HIGH STRENGTHS, SHRINKAGE COMPENSATION, FROST RESISTANCE, SHOCK AND VIBRATION RESISTANCE

◆ Uses

Dani Grout S-12000 is ideally suited for use in all grouting applications, where maximum contact area is required and where high flow characteristics are desired, such as during the installation of:

- Anchoring holding down bolts, tie bars, stressing cables etc.
- Concrete repairs.
- Precast units.
- Grouting under machinery base. plates, stanchion base.
- Crains rails.
- Turbines .

◆ ADVANTAGES

- High bond strength to steel and concrete
- High compressive strength at early stages.
- Rapid installation and early use of plant.
- Non shrink ensures effective contact and support.
- Extremely low permeability.
- Consistent high performance.
- Unique non metallic shrinkage. compensation provides maximum contact between base plate and hardened grout.

◆ STANDARDS

ASTM C1107-91(Type C).

◆ TECHNICAL DATA

Typical results @ 20oC (25 kg + 4.1 litres of water).

◆ Compressive strength

(BS 1881: Pt116 1983) 1 Day 26 N/mm², 7 Days, 44 N/mm², 28 Days 66.5 N/mm².

Flextural strength:

(BS 4551 1980) 28 days 9.5 N/mm².

Flow Characteristics:

(BS 4551 1980) 28 days 9.5 N/mm².

Gap width:

Minimum 10mm Maximum 125mm.

◆ Surface Preparation

All surfaces must be clean and sound. Remove all surface laitance by acid etching or grinding, also dust and debris. All surfaces should be thoroughly wetted 6 to 24 hours before starting and be in a moist condition during placing. Any free surface water must be removed before application. All formwork should be sealed to prevent loss of grout during pouring. The formwork should be tight to the base plate and parallel to the direction of flow.

◆ Mixing

For optimum results a high shear paddle or vane grout mixer should be used. Colloidal impeller mixers are not suitable for use with this product. Air entrainment should be avoided. For large or continuous placement ensure that adequate mixing capacity and sufficient labour is available. A holding tank fitted with agitation may be used. Add the correct amount of water for the required consistency to the mixer and then add the complete pack(s) slowly while mixing. Mix for a further 5 minutes until smooth and cohesive. Allow to stand for 1 minute before use. Remix and use immediately. The recommended water used per 25 kg bag is 4.1 litres.

◆ APPLICATION

The grout should be poured immediately after mixing and certainly not more than 20 minutes after mixing is complete, to take full advantage of the high flow properties. The mixed product should always be poured from the hopper end of the formwork. On no account should grout be poured from more than one side of the base plate. Maintenance of a fluid head is essential to avoid air entrapment. Once the grouting has been completed, all exposed areas of grout should be cured immediately using Dani Cure Curing membrane.

◆ EQUIPMENT CLEANING

Tools and equipment should be cleaned immediately using water as, on hardening the material can only be removed mechanically.

◆ APPLICATION TEMPERATURE

Minimum 5oC
Maximum 35oC

◆ STORAGE & SHELF LIFE

Dani Grout S-12000 must be stored in a cool, dry place, free from moisture contact and has a shelf life of 12 months.

◆ PACKAGING AND YIELD

Dani Grout S-12000 is supplied in 25 kg bags. Each bag when mixed with 4.1 litres of water will provide approximately 13.50 litres of mixed material.

◆ HEALTH AND SAFETY

Dani Grout S-12000 contains alkalis and protection should be provided to prevent contact with skin and eyes. Inhalation of dust must be avoided whilst mixing.

Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in any connection with any recommendations or suggestions made by us, our representatives, agents, or distributors as the conditions of use and labor involved are beyond our control. Deviations are possible when delivery takes place. Given that recommendations may differ from those shown in this leaflet written confirmation should be sought. It is the responsibility of the purchaser to ensure they have the latest leaflet issue and that its contents are current. Our customer service staff will be glad to provide assistance at any time. We appreciate the interest you have shown in our products. This technical data sheet supersedes previously issued information.