

TECHNO FLO-GROUT

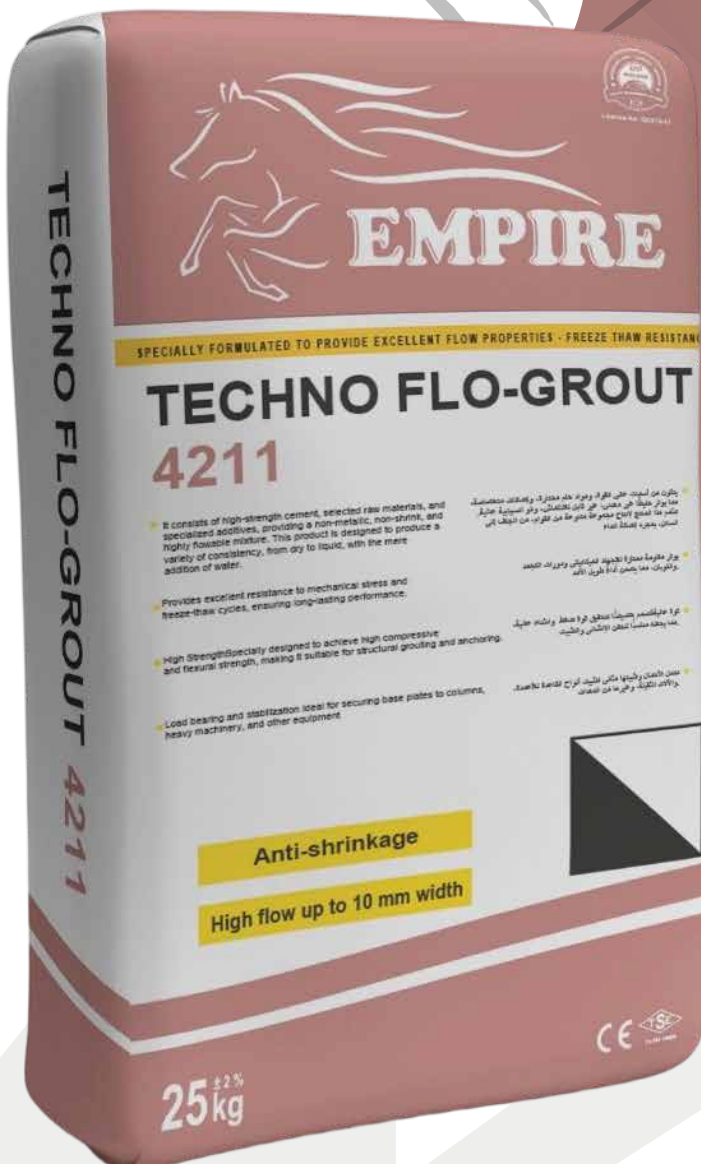
4211

Description

It consists of high-strength cement, selected raw materials, and specialized additives, providing a non-metallic, non-shrink, and highly flowable mixture. This product is designed to produce a variety of consistency, from dry to liquid, simply by adding water.

Uses:

- Load Bearing and Stabilization: Ideal for securing base plates for columns, heavy machinery, and other equipment.
- Ready-Mix Concrete Installation: Suitable for injection under precast, cast-in-place, pre-compacted, and pre-stressed concrete elements.
- Cavity Filling and Repairs: Efficiently fills cavities, gaps, and voids, making it suitable for concrete repairs.



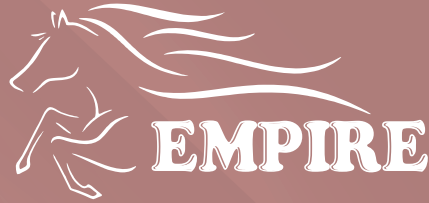
Properties:

High Strength: Specially formulated to achieve high compressive and flexural strength, making it suitable for structural grouting and consolidation.

Excellent Adhesion: Provides superior adhesion to reinforcing steel and concrete surfaces. **Durability:** Provides excellent resistance to mechanical stress and freeze-thaw cycles, ensuring long-term performance. **Non-Segregating and Leak-Proof:** Maintains consistent properties, ensuring good adhesion and efficient load transfer.

Non-Corrosive: Free from metallic elements and chlorides, ensuring it does not cause corrosion.

Ease of use: Available as a ready-to-mix powder, requiring only the addition of water



Application:

Remove all deteriorated concrete until it is ready for use, taking into account the safety of all involved for this construction purpose. Clean the surface thoroughly, removing all molding agents, oils, grease, debris, and dirt.

Wash the intended area and fill it clean 24 hours before application. Ensure it is thoroughly stirred, removing any water. If necessary, use a clean pressure wash to dry the joints.

When using molds or dies, ensure all joints are tight to prevent mortar leakage.

Begin by adding clean water to the mixing bowl. Add Empire Techno Flo-Grot 4211 pre-mixed with the overlap. Use a high-speed or slow-speed mixer (400-300 rpm) with a sturdy paddle attachment. Mix for one to two minutes, ensuring a good mix by scraping the sides and incorporating no residual powder. Continue mixing in two to two parts until a smooth, airy mixture is achieved. Hand mixing is not recommended.

For setting, add 3.5 liters of water (%14) to each bag of Empire Techno Flo-Grot 4211 (weight 25 kg). Use a temperature of approximately °20+C for best results. Mixing time only allows the material to be applied in a suitable manner, allowing it to adhere to the work surface and be free of defects.

Ensure that no bubbles remain in the mortar, which could cause extraction problems. This can be done by removing the surface from contact with the concrete.

Protect the finished mortar from rapid curing to prevent surface cracking.

Cover exposed areas immediately after pouring and protect them from direct sunlight and dry winds for at least 72 hours.

Spray water on the exposed surface within 24 hours or apply a thin layer of water.

