

CEMIMAX HP GROUT

High-performance General purpose Class C construction grout with extremely high strength

Extremely
High-Strength

Description:

Cemimax UltraFLOW HP GROUT is cementitious high-performance General purpose Class C construction grout, high-quality graded aggregates, and additives, which control expansion for low shrinkage the grout is in a plastic state.

Recommended Use:

- General purpose grout.
- Grouting underneath precast panels and concrete sections.
- Anchor bolts filling.
- Filling in cavities, gaps and base infills.
- Filling in core holes created in panels by core drilling.

Product Properties/Benefits:

- Resistant to impact and vibration.
- Shrinkage compensated.
- Gaseous expansion while in a plastic state eliminates shrinkage and settlement.
- Displaces water.
- Non-metallic iron content.
- Can be dry packed, rammed, trowelled, or poured.
- Pump able for larger applications.
- Grouting for unlimited depth working

Technical Data:

Compressive Strength

After 1 Day Approx. 11.5mpa

After 7 Days Approx. 69.5mpa

After 28 Days Approx. 95.0mpa

Tensile Bending Strength

After 1 Day Approx. 3.4mpa

After 7 Days Approx. 10.0mpa

After 28 Days Approx. 11.9mpa

Compressive strength in accordance with AS 1012.9

Flexural strength in accordance with AS 1012.11

Test by NATA Accredited Laboratory

Pack-size: 20kg/bag

Colour: Grey

Shelf life: 12 months

Application Temp: Min 10°C - Max 30°C

Coverage $-(\text{Kg}/\text{m}^2/\text{mm}): 2.0$

Water Add: 3-3.4L for pourable

Setting Time: (Dry Pack-Flowable)

Initial Set: 2-4 hours

Final Set: 3-6 hours

Surface/Substrate Preparation:

The substrate to be grouted must be clean, sound, and free from dust, oil, grease, curing compounds or any foreign matter that will affect the grout adhesion bond Bolt holes and anchor points must be clean and free of water.

Application:

Mixed with a mechanical mixer with a high shear mixer or a suitable drum mixer that creates a forced action mixing. An electric drill with a spiral mixing paddle is ideal for smaller quantity mixing. Mix for 3 to 5 minutes at a slow speed (400/500rpm), water add : 3-3.4 L water for 20kg bags.

Important Notes:

- Minimum shelf-life 12 months in original packaging and in dry storage conditions. Tightly seal opened packaging and use the contents as quickly as possible.
- Best applied at 18-25°C, floor temperature above 15°C and relative humidity below 75%. Low temperatures and high humidity delays setting, drying and readiness for covering. High temperatures shorten the working time. Therefore use the coldest possible mixing water during the summer.
- Protect freshly smoothed surfaces from draughts direct sunlight and influences of heat.
- The product should be protected against frost and direct light during transportation, storage and application. Application temperature should not be lower than 5°C.

Disposal:

Dispose of empty packaging according to local regulations.

