



ULTRABOND NSG-65 EX 315
CEMENTITIOUS HIGH STRENGTH
NON SHRINK GROUT



DESCRIPTION

A general purpose cementitious non-shrink grout designed for narrow void grouting, flow screeds and anchoring of a wide variety of fixings. Its non-shrink and free flowing properties are ideally suited for pumping or pouring. The simple addition of a required amount of water determines its wide range of applications. Due to its early strength development it allows for quick return to service of grouted areas.

USAGE AREAS

- Narrowing void grouting (flowable state).
- Grouting of anchor bolts for steel columns and manholes.
- Installation of fencing, boundary or sign posts.
- Where grouting of between 10 to 50 mm is required.
- Concrete floor repairs and screeds.

FEATURES & BENEFITS

- Single Component.
- Easy To Mix.
- It Will Be Reduces The Permeability Of Water Into Concrete.
- Only Add Water.
- Shrinkage Compensated.
- Good Strength
- Very good flow characteristics
- Rapid strength development
- Excellent bond to concrete
- No segregation or bleeding

TECHNICAL SPECIFICATION

Appearance	Powder
Colour	Grey
Water Demand	15 - 17.5%
Mix Density	2.20
Compressive Strength	
1 day	25 N/mm ²
7 days	50 N/mm ²
28 days	65 N/mm ²

Note: Test results are indicative as per test method specified in standard. Test result may vary as per substrate, site condition & testing machine etc. Actual field performance will depend on installation method and site condition.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Ensure that all dust, dirt and foreign matter are brushed and scraped away. Also ensure the surfaces are free from salts, oil, grease and ridges, and protect all adjacent surfaces not to be covered. This must be removed either chemically or mechanically. The surface where EX 315 is to be applied must be saturated with water for not less than 2 hours prior to application. Alternatively Ultrabond Plaster bond EX 4800 must be applied to the substrate and the EX 315 placed whilst primer is still wet.

MIXING

Place 3 Litres of water in the mixing vessel. Empty entire contents of 20kg bag EX 315 into the water whilst mixing with a mechanical mixer. Add additional 500ml water (maximum) to mixture to desired consistency. Mix for 5 minutes and then place or pump. Placing should be completed within 30 minutes after the start of mixing.

APPLICATION

Apply mixed material on to the prepared substrate using a shovel or trowel. Fill the duct, gap, void, cracks, honeycomb completely by using pressure grouting or manually. For machine and column bases, leak proof formwork should be provided which will allow for rapid and continuous placement of the grout and complete filling of space to be grouted. Support elements should be anchored so that no movement is possible. Removal of formwork should be done only after EX 315 has hardened properly.

CURING

Keep surface damp and covered with damp hessian cloth. The surface can also be kept damp with a fine water spray. The curing must be continuous for at least 7 days. Care must be taken where grout is covered by hessian cloth or plastic, ensure that these surfaces are kept damp. On exposed vertical surfaces a curing compound can be applied.

PACKAGING

20 kg

PRECAUTIONS & LIMITATIONS

- Ensure formwork is secure and watertight to prevent movement and leaking during the placing and curing of the grout.
The area should be free of excessive vibration.
Shut down adjacent machinery until the grout has hardened.
- In hot weather, base plates and foundations must be shaded from direct sunlight.
Bags of grout should be stored in the shade prior to use.
- Take additional precautions when conduct the applications during the extreme climatic conditions

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing. Store in a cool & dry place in unopened condition (Prevent from direct sunlight).

HEALTH & SAFETY

Avoid contact with eyes or prolonged contact with skin. It is recommended to use rubber hand gloves & safety goggles. In case of contact with eyes or skin, rinse immediately with plenty of clean water and seek medical advice. Keep out of reach of children.

For detailed material safety data sheet please contact the manufacturer

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