

HEGA CONSTRUCTION GROUT

HOW IT WORKS

Construction grout is a metallic shrinkage-controlled grout that incorporates special Mineral aggregates, Admixture, and Portland cement and is designed to minimize shrinkage and maximize strength.

Application and where to use.

- 1) General Construction application
- 2) Repairing of cavities due to ineffective concrete consolidation.
- 3) Use to grout void in poured-in-place concrete and tilt up and pre-cast
- 4) Concrete panel's beams and columns.
- 5) Backfilling, underpinning foundations, and pressure grouting of slabs needing An alignment.
- 6) Use to anchor heavy equipment, bolts, and dowel bars.
- 7) Use to fill voids in window and door frames

Advantages

- 1) Blends in with surrounding Concrete.
- 2) Provide a high effective bearing area for proper support and load transfer.
- 3) Non-corrosive and does not contain chlorides. Will not attack steel reinforcement.
- 4) Shrinkage control
- 5) Non- Metallic
- 6) Can be used in the dry pack and flowable consistencies
- 7) Easily pumped

Precautions

- 1) Do not mix more grout than can be placed in 15 minutes or less
- 2) Do not re-temper mixed grout to restore workability.
- 3) Do not add an excessive amount of water
- 4) Do not apply to frozen substrates or temperature below (6 °C)
- 5) Avoid vibrating wet grout which can be caused segregation.

Use Introduction

Site environment condition substrate condition and construction have a major effect on product selection, application method, procedure and appearance, and performance.

However, an adequate site test application by the purchaser or the installer in advance of the field scale is mandatory to verify the product and performance under the intended use condition.

Remove all unsound grease, concrete oil dirt, and other foreign contamination from the surface to be grouted. Before placing grout, thoroughly saturate the concrete bonding area with adequate water. Remove excess water and allow the concrete bonding surface to dry slightly before grouting.

Seal all wood surfaces with polyurethane wood sealer to minimize water absorption to ensure a positive result.

MIXING

Pre-wet, mix containers, and drain excess water prior to mixing the initial batch.

- 1). Add approx 6-8 Liter of clean water to a bucket for every 25 kg of HEGA construction Grout. Make sure to add the minimum amount of water to provide the desired workability and maximum strength. The water Ratio will depend on the application and advisable to mix a small quantity first.
- 2) Sprinkle the powder slowly into the water, mixing constantly by using a mechanical mixer of the electric drill with a paddle devise until a thick creamy toothpaste consistency is achieved – with no lumps.
- 3) Allow to stand for 5 minutes and re mix and then the adhesive is ready to use.
- 4) DO NOT aerate the mix by stirring over vigorously or for too long. The mix should be stiff enough to keep its shape when spread with a notched trowel.
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- 5) Promptly place grouting in a manner to avoid entrapment of air voids. Roding the grout lightly will help to consolidate the grout and remove the air void.
- 6) To pump construction grout, use a grout pump specially designed for this purpose.

Application Method.

- 1) If the cavities (Honey Comb) are less than 1” in size resulting from ineffective concrete consolidation can be repaired by direct application of Hega Construction Grout.
- 2) If the cavities (Honey Comb) are less than 2” in size –
Mix with ¼” metal (Chips) with Hega Construction Grout with a 1:1 ratio. This will improve and enhance the strength of the mixture.
- 2) If the cavities (Honey Comb) are over 2” in size –
Mix with ¾ metal (Chips) with Hega Construction Grout with 1:1 ratio. This will improve and enhance the strength of the mixture.

Curing

Allow drying for 24 hours.

Cure grout surface with wet curing for 24 hours.

Packing.

25kg HDPE Bag.

Construction grout is designed for 6-40 C application temperature range.

Shelf Life.

One year from the date of manufacturing in a properly stored condition.

Store unopened bags under clean dry conditions.

Warranty-

This product is free from manufacturing defects and the warranty is limited to the replacement cost of the same product only. No other warranty either implied or expresses this product. In no case shall this product be liable for special, indirect, or consequential damages resulting from the use of this product and no claim is greater in amount than the purchase price of this product.

Manufactured By- Horana Minerals (Pvt) Ltd