



HESTGROUT R®

Non-Shrinkage, free streaming, extending Cementitious grout

Free Flow Cement Base Non Shrinkage Mortar .

Product Description

HESTGROUT R® is a prepared to utilize cementitious grout requires just including water site to create high strength, non-shrinking, free streaming and growing mortar

Application

HESTGROUT R® is is utilized for grouting applications such as:

- Anchor of bolts and steel bars in concrete.
- Filling holes and voids in substantial fix.
- Precast and pre focused boards.
- Grout under broad substantial construction support.
- Grouting under machines, extensions and cranes.
- Bridge bearing cushions and pillars

Advantages

- Prepacked just adding water .
- Easy to apply pre-weighed packing
- Easy to clean
- Good adhesion to the substrate and non Shrinkage properties
- Water impermeable
- Multi-reason applications
- Non-shrinkage
- Free flowable
- Chlorine and sulfate free
- Non harmful
- Early strength •Heat opposition up to 200°C

Technical Properties

Density @25°C	~2.1 Kg/L
Anchorage Bond Strength	~40 N/mm ² for concert after 24 hrs.
Compressive Strength	1 Day 18 – 20 N/mm ² 7 Days 30 - 35 N/mm ² 28 Day 35 - 45 N/mm ²
Flexural Strength	4-5N/mm ² @7 days 10-11 N/mm ² @28 days



Initial Setting time at 20°C	Liquid mortar 7.45 – 9 hrs Elastic mortar 90 - 180 minutes
Chemicals Resistance	Fuels , Oil and Water
Layer Thickness	10 mm to 75 mm
Water Dosage	1.8 – 1.95 Ltrs for 15 Kg Bag (Flowable consistency) 1.65 – 1.8 Ltrs. For 15 Kg Bag (Pastic consistency)
Packaging	15 Kg Bag Grey Powder
Shelf Life	Shelf life is at least 12 months, in original sealed containers, also it must be protected from direct sunlight.

Surface Preparation

Concrete surfaces must be clean, stable, and devoid of oil, grease, cement residue, and any loosely attached particles. Absorbent surfaces need to be thoroughly saturated. Metal surfaces, such as iron and steel, should be free from scale, rust, oil, and grease.

Mixing and Application

Always pour the entire contents of the bag into an appropriate mixer. Mix the dry material for 3 minutes before adding water.. Mixing should be done using either a slow-speed drill (400-600 rpm) with a clean, rust-free mixing paddle, or a forced action mixer. Application in contact with steel , Ensure that embedded reinforcing steel is clean and free from scale, rust, oil, and grease. Apply a protective coating like HESTREP ZR. For better adhesion on large surfaces or dense concrete substrates, use a bonding agent such as HESTLATEX . Curing , Treat exposed surfaces with Curing Compound or use other approved curing methods such as polyethylene sheeting or wet hessian. Do not mix by hand or use a partial bag.

Coverage

For Volume of 1.0m³ you would use approximately 1923 kg depend on concrete prosity .

General Precautions

- Care should be taken when curing in hot, sunny, or windy conditions.
- Do not apply when the temperature is 5 °C or due to fall below 5 °C within 24 hours.
- Pot life at 20 °C approx. 30 - 40 min.

Cleaning

Application tools should be washed with soap and water immediately after use

Health and Safety

- Use goggles, gloves, and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from the skin with hand cleaner or soap and water.
- Eye splashes are to be washed with plenty of water.
- If ingested seek medical advice.

Additional Information

HEST provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. HEST designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. HEST reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. HEST extends technical services to include after-sales support to assist users in the proper handling of our products.

