

REC GROUT 731

GENERAL PURPOSE NON-SHRINK GROUT

DESCRIPTION

REC GROUT 731 is a ready-to-use cementitious grout made from selected aggregates, special cement, and additives. It is suitable for applications where non-shrink properties are required. **REC GROUT 731** is specially formulated to produce a shrinkage-compensating grout suitable for various applications.

PRIMARY APPLICATIONS

- Filling of shutter tie-rod holes and openings.
- Repair of damaged concrete areas.
- Concrete jacketing for slabs, columns, beams, and footings.
- Fixing and joining concrete elements.
- Closing or filling concrete and precast elements.

FEATURES/BENEFITS

- Non-shrinking.
- Easy to apply.
- Excellent resistance to shock and vibration.
- Suitable for pumping applications.

TECHNICAL INFORMATION

Appearance	Grey powder
Chloride and metallic particles	Free from chlorides and metallic particles
pH	12
Fresh density	2.3 kg/dm ³
Compressive strength	40 MPa at 28 days
Application Temperature	+5°C to +35°C

APPLICABLE STANDARD

ASTM C1107

DIRECTIONS FOR USE

SUBSTRATE PREPARATION

REC GROUT 731 may be applied to sound concrete, masonry, rock, or similar substrates. Remove damaged concrete and laitance by chipping with a pick or cold chisel to obtain a rough and sound surface. The surface must be free from all traces of grease, oil, dust, and other contaminants. Saturate the surface thoroughly with water by copious spraying immediately before application and, where possible, approximately 6 hours before application. Remove any standing or excess water before placing the grout.

PRODUCT PREPARATION

REC GROUT 731 is prepared by mixing the grout powder with 2.25–2.75 liters of clean water. Add the powder gradually to the water and mix for approximately 3 minutes. An electric mixer should be used to obtain a

homogeneous and uniform mixture. Do not mix with other hydraulic binders. The use of additional additives is prohibited.

PRODUCT APPLICATION

Prepare a solid, leak-proof formwork before placing the grout. Pour **REC GROUT 731** continuously by gravity or pressure-pump placement, placing the grout in one direction to minimize the formation of air pockets. The applied thickness may be up to 10 cm. Continuous grout flow is essential. Sufficient quantities of grout and water should be available for mixing to ensure uninterrupted placement and prevent discontinuity in the grout flow.

CURING

Protect the applied grout against rapid drying caused by wind, direct sunlight, and excessive heat. Curing may be carried out using a suitable curing compound such as REC CURE E-4, or by covering the applied grout with properly secured plastic sheeting.

PACKAGING

REC GROUT 731 is supplied in various packaging sizes and quantity of the product varies with the demand of clients.

STORAGE

Shelf life is 12 months from the date of manufacture when stored in the original, unopened packaging, under cover, in dry conditions, away from humidity, and protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

While using the product, gloves, a mask, and safety goggles should be worn. Splashes on the skin or in the eyes should be washed immediately with clean water. In case of prolonged irritation, seek medical advice.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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RECKON CHEMICALS PRIVATE LIMITED
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE
Tell: +92-42-35452620, +92-42-35230419
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

