



REC GROUT 742

Highly fluid post-tensioning grout

PRODUCT

Rec Grout 742 is a ready to use, free flowing, and blended cementitious powder. It requires only the addition of water in a high shear mixer, to produce a free flowing grout. **Rec Grout 742** is high strength, highly fluid, controlled expansive grout with superior dynamic load stability. It has been designed for grouting post tension cable and a wide range of other anchoring systems. **Rec Grout 742** provides corrosion protection for highly stressed steel cables, rods and many other systems. This unique shrinkage compensating system in **Rec Grout 742** guarantees controlled positive expansion in all directions. The positive expansion of **Rec Grout 742** remains constant throughout the life of the grout.

SCOPE OF USE

- Grouting Post tension cables
- Bedding industrial equipment
- Shoring application
- Anchoring
- Overhead repair injection applications.
- Reblocking/ Rrestumping / void filling applications
- Closing or filling around pipes in water tanks / swimming pools

PROPERTIES

- high early strength
- Non shrink, unique expansion system compensates for shrinkage
- Excellent pumpability
- Economical, high strength gain at significantly lower cost compared to resin grouts
- Durability, high ultimate strength and low porosity ensure long term life
- Does not contain metallic iron: no risk of corrosion or deterioration due to rust expansion in the grout
- Good resistant to vibration and shock loads

CHARACTERISTICS

Composition	Specific additives
Appearance	Grey powder
Chloride content	NIL
Density	2
Expansion	1% to 5 %
Compressive strength @ 28 days - BS 12190:1994	50 MPa

INSTRUCTIONS FOR USE

Mixing

Mix 20 kg **Rec Grout 742** with 6 to 6.8 lit. of cool potable water. Depending on the quantities to be prepared, a drill and paddle can be used for small applications or a high shear mixer and slow speed agitator for large applications, place into the mixer most but not all of the required water. Start mixer, then slowly add **Rec Grout 742** and continue mixing After all lumps have disappeared, add remaining water. Continue to mix for a total of 3 to 5 minutes or to uniform consistency. Mix only the amount of grout that can be placed in 20 to 30 minutes. Do not mix by hand. Ideal application temperature is between + 5 °C and + 35°C. If the application temperature is higher than 35 °C, make sure to use cool water to keep the mixed grout temperature below 30 °C.

Placing

Place the **Rec Grout 742** in accordance with guide specification for post-tensioning structures. Contact our technical department for more details.

For Concrete Grouting/Jacketing/Repair

Rec Grout 742 can be used for thickness up to 2 cm. Existent surface needs to be roughened and cleaned. Ensure damping the surface with water before the application.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.



RECKON
CHEMICALS (PVT) LTD.

www.reckonchemicals.com
info@reckonchemicals.com

REC GROUT 742


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, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

The information included on this Technical Data Sheet is the sole property of Reckon Chemicals Pvt Ltd. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.

Head Office: Plot # 9 6km off Manga Riwind Road, Glamour Stop Opposite Sundar Industrial Estate Lahore.

 +92-42-35 395 224, +92-42-35 395 225