



webertec 303 HFG

Highly fluid post-tensioning
grout

*Technical and
repair mortars*

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg

PRODUCT

webertec 303 HFG 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. **webertec 303 HFG** 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. **webertec 303 HFG** provides corrosion protection for highly stressed steel cables, rods and many other systems. This unique shrinkage compensating system in **webertec 303 HFG** guarantees controlled positive expansion in all directions. The positive expansion of **webertec 303 HFG** 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	50MPa

INSTRUCTIONS FOR USE

Mixing

Mix 20kg **webertec 303 HFG** with 6 to 6.8lit 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 **webertec 303 HFG** 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 **webertec 303 HFG** in accordance with guide specification for post-tensioning structures. Contact our technical department for more details.

For Concrete Grouting/Jacketing/Repair

webertec 303 HFG can be used for thickness up to 2cm. 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.

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.

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