

REC GROUT 759

Cementitious non-shrink precision grout

PRODUCT

Rec Grout 759 is a ready-to-use free flow precision grout made of sand, special cement and additives to achieve an easy handling and high performances with no bleed and highly compensated shrinkage.

SCOPE OF USE

- Concrete jacketing for slabs, columns, beams and footings
- Void filling applications
- Filling of shutter tie rod openings
- Jointing and bedding of precast elements
- Jointing of formwork
- Concrete surface reprofiling
- Bedding under industrial equipment and heavy machinery mounting plates.

ADVANTAGES

- Highly fluid
- Chloride and hydrogen free
- High early mechanical resistance
- Good resistance to chlorides and sulfates
- Easy application
- Excellent resistant to vibration and shock loads
- Pumpable

CHARACTERISTICS	
Appearance	Grey powder
Grain size	0 to 2mm
Wet density (kg/m ³)	2.15 - 2.25
Mixing water	12% - 14%
Initial Setting time (min)	240
Final Setting time (min)	300
Free from chlorides and metallic particles	

Compressive strength (N/mm ²) - STANDARD	
Age	Result at 25°C
1 day	>20 BS EN 12190
7 days	>50 BS EN 12190
28 days	>60 BS EN 12190

Flexural strength (N/mm ²) - BS EN 196-1*	
Age	Result at 25°C
7 days	8
28 days	>10

*Results obtained at fluid consistency under lab conditions at 25°C±2: 13% or 3.25 Lit per 25 kg bag.

*Properties listed above are only based on controlled laboratory

samples and tests: Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

APPLICABLE STANDARDS

BS EN 12190
BS EN 196-1

INSTRUCTIONS FOR USE

PRODUCT PREPARATION

The mortar or grout is obtained by mixing 25kg of Rec Grout 759 with 3 to 3.5lit of water. Add the powder gradually to the water and mix for 3 minutes. To ensure a homogeneous and uniform mix, an electric mixer must be used. Do not mix with other hydraulic binders. The use of additives is absolutely prohibited. 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.

CONSISTENCY	webertec grout P	WATER	3/8 AGGREGATES	VO-LUME IN PLACE
FLUID	25kg	3 to 3.5L	0	13L

PRODUCT APPLICATION

Clean the concrete substrate or the area between the forms. Pour Rec Grout 759 continuously, in one direction to avoid air pockets. The maximum grouting thickness per layer is 6 cm. Rec Grout 759 can be used for jacketing. Existing surface needs to be roughened and cleaned. For bedding of precast panels, build a solid leak-proof formwork, saturate the concrete substrate with water for at least few hours prior to pouring and remove all residual water.

CURING

Once the grout starts to set, it should be cured either by a curing compound like Rec Cure E-4 or by covering with properly sealed plastic sheeting. If the configuration and the tightness of the forms allow by pouring 1 to 2cm of cool water over the surface and maintaining it until the striking of the forms.

YIELD

12.5 to 14 liter per 25kg bag depending on consistency.

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.



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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 thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and 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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