

# REC GROUT 756

## Highly fluid cementitious expansive grout

### PRODUCT

Rec Grout 756 is a ready to use grout made of sand, special cement and additives to achieve unique characteristics with no bleed and low shrinkage.

### SCOPE OF USE

- Grouting under pipe support (transmission pipeline)
- Bedding under industrial equipment and heavy machinery mounting plates
- Jointing and bedding of precast elements
- Jointing of formwork
- Void filling applications

### 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
- Expansive

### CHARACTERISTICS

Appearance	Grey powder
Grain size	Up to 4mm
Wet density (kg/m <sup>3</sup> )	2.4 ± 0.1
Mixing water	12% - 15%
Flexural strength (BS EN 196-1)	≥ 14 MPa @ 28 days
Early height change (ASTM C 827)	0.5-3%
Flowability at 21°C (ASTM C 230)	Flowable @ 45 min
Height change of moist cured grout (ASTM C 1090)	up to 0.3% at 28 days

### COMPRESSIVE STRENGTH (N/mm<sup>2</sup>) - ASTM C109

Age	Result at 4°C	Result at 24°C	Result at 35°C
1 day	≥15 MPa	≥25 MPa	≥25 MPa
3 days	≥25 MPa	≥35 MPa	≥35 MPa
7 days	≥35 MPa	≥45 MPa	≥45 MPa
28 days	≥60 MPa	≥65 MPa	≥70 MPa

### APPLICABLE STANDARDS

Fully comply to ASTM C 1107.

### INSTRUCTIONS FOR USE

#### PRODUCT PREPARATION

The grout is obtained by mixing 25 kg of Rec Grout 756 with 3 to 3.75 lit. 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 + 4°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.

#### PRODUCT APPLICATION

Clean the concrete substrate or the area between the forms. Pour Rec Grout 756 continuously, in one direction to avoid air pockets. The maximum grouting thickness per layer is 10 cm. Existing surface needs to be roughened, cured 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.

#### YIELD

Approx 12 liter per 25 kg bag.

#### 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

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place



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affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO<sub>2</sub> foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

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