

Mortars

C-GROUT 250

Non Shrink Grouting Mortar



C-GROUT PRODUCTS are divided to three grades according to aggregate size of each one. This technical data sheet is for **C-GROUT 250**.

General Properties:

- Cement base, free of metal, dry powder used for grouting. Just add water as specified. max. Aggregate size is 2.5 mm for **C-GROUT 250**.
- Creates high strength in short time.
- Non-shrink mortar excellent for filling medium holes.
- High adhesion, non- corrosive mortar and will not attack reinforcement.

Uses:

- Grouting holes up to thickness (25 X 25 cm).
- Grouting the upper space of the column chemise for thickness up to 15 cm.
- Grouting solid base to carry heavy equipment & machinery.

Mixing Instructions:

- Pour the required water as shown in table 1 in a suitable container.
- Add the **C-GROUT 250** gradually to the water while mixing. recommended to use mechanical mixer for at least 3-5 minutes.
- Wait for 5 minutes before casting to get rid of air bubbles.
- Suitable time for perfect casting shall be within 20 minutes from mixing.

Table 1: Water Ratio for C-GROUT 250

Uses	Water ratio
1. For plastic consistence trowel application	11.5 %
2. For flowable consistency	14.0 %

Application:

1. Clean the surface from loose particle, oil, grease, or any foreign materials.
2. The surface must be saturated with water and before casting remove standing water.
3. Mix as mentioned before and cast in the required area.
4. Clean all tools directly after application using water.

Curing: For proper curing, keep exposed surfaces wet for 24 hrs using wetted cloth.

Technical Data:

Compressive Strength: (ASTM C-109/109M)

TIME	PLASTIC 11.5 % slump 15 cm	FLOWABLE 14% slump 20 cm
1 day	400 kg/cm ²	275 kg/cm ²
3 days	600 kg/cm ²	350 kg/cm ²
7 days	650 kg/cm ²	420 kg/cm ²
28 days	700 kg/cm ²	470 kg/cm ²

Note: From above table water ratio must be adjusted as mentioned to get the proper compressive strength i.e. a small increase in W/R will affect the strength till 30% less.

Setting Time of O.P.C. : (ASTM C-191) 30 min.

Final Density : For Flowable consistency 2.23 gm / cm³ for trowel application
2.34 gm / cm³

Shelf Life : 12 months in closed container and away from sunlight, heat and humidity.

Environment: - **C-GROUT 250** is suitable for potable water structures (REF. TO MSDS).

For more information please contact our technical department

Head Office: 21 Takseem El Awkaf – EL Sawah Sq. Cairo – Egypt

Tel: 002 / 02 24535678 - 24535679 Fax: 002 / 02 24538986

Web site: www.yasmomISR.com E-mail: yasmo@yasmomISR.com