

CEMENTITIOUS GROUT

Graute MX250 CR

TECHNICAL DATA SHEET

MAXIM CIMENTOS ESPECIAIS

Rev. 02 · Aug. 2026

1. DESCRIPTION

MX250® CR is a grout based on Portland cement, special aggregates, pea gravel and chemical admixtures, with shrinkage compensation. Formulated to produce a high-flow, high-performance, durable concrete. Bagged in an innovative system that allows water to be added and mixed in the bag itself, providing easy application.

2. USE AND APPLICATIONS

High-flow structural grout for all types of repair and filling work. It can be used for any purpose where a flowable material with small aggregates, durability and low shrinkage is required, such as:

- Repairs to floors, beams, foundation blocks, columns, structural strengthening, sidewalks, gutters, etc.
- And where fast return to service is not required.

Suggested use for thicknesses between 1 and 4 cm.

3. ADVANTAGES

- Guaranteed strengths
- No concrete mixer needed
- Easy application
- Less labor
- Fast return to service
- Use at any time and place.

4. MX250® CR CHARACTERISTICS

Characteristic	Unit	Standard	Result
Bag weight	kg	-	25
Color	-	-	Gray
Initial setting time	min	-	≥ 120
Final setting time	min	-	≤ 280
Compressive strength	MPa	NBR 5739	≥ 25 (3 days) ≥ 30 (7 days) ≥ 50 (28 days)
Density	kg/m³	NBR 9833	2110
Dimensional change (shrinkage)	mm/m	NBR 16834	0 to -0.4
Consistency index (slump)	mm	NBR 16889	S160
Coarse aggregate size	mm	-	4.8 and 9.5
Shelf life	Years	-	2

NOTE: The results shown in the table were obtained under controlled laboratory conditions. On site, weather conditions must be taken into account, as variations may occur due to relative humidity and/or temperature.

5. MIXING RATIO AND YIELD

Bags	Mixing water (L)	Volume (L)	No. of bags/m³
1 (25 kg)	2.7 to 2.9	≅ 12	≅ 77

6. INSTRUCTIONS FOR USE

6.1 PREPARATION OF THE APPLICATION BASE

The application surface must be sound, clean, dry, cool to the touch, free of dust, oil, paint or any other residue that could compromise the bond of the product to the base.

Apply MX250® CR in a thickness of 1 to 4 cm.

The open time for using the product is ≅ 40 min.

During this period, do not add water to the original mix or attempt to reuse the material; it must be discarded. If necessary, consult the technical team.

6.2 CURING

The curing process is very important to ensure hydration of the cement. It is recommended to sprinkle water on the surface 1 h after finishing, keeping the surface sufficiently moist. Alternatively, use Bidim geotextile fabric moistened with water only.

7. TRANSPORT

- Avoid platforms that could tear the bags;
- Use straps or bands to tie the bags. If ropes are used, protect the contact points;
- When using forklifts, position the forks carefully so as not to puncture the bags;
- To lift a bag, hold it from underneath with both hands, protecting it along its length.

8. STORAGE

- Store the bags in a dry, covered place, away from sources of heat, light and moisture;
- Stack on flat surfaces, free of irregularities;
- Use the bags that have been stored the longest first;
- Arrange the rows in an orderly manner, keeping a minimum spacing of 5 cm between them;
- For prolonged storage, place the bags horizontally.

9. PRECAUTIONS

MX250® CR contains cementitious materials that may cause skin and eye irritation. Avoid direct contact. It is recommended to:

- Wear gloves and safety goggles;
- Wash exposed areas with plenty of water;
- In case of eye contact, rinse for 10 minutes and seek medical attention.

Reference translation of the Portuguese technical data sheet (dated August 10, 2026, rev. 02). In case of discrepancy, the Portuguese version prevails. Translation by Maxim, October 2026.

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