



MX250

TECHNICAL SHEET

GROUT

DESCRIPTION

MX250® is a grout based on Portland cement, special aggregates, pea gravel, and chemical additives. Formulated to produce a high-fluidity, high-performance, and durable concrete. Packaged in an innovative system that allows water addition and homogenization directly in the bag, providing easy application.

2. USES AND APPLICATIONS

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

- Floor repairs, beams, foundation blocks, columns, structural reinforcements, sidewalks, curbs, etc.
- And where rapid release is not required.

Suggested for thicknesses between 1 and 4 cm.

3. ADVANTAGES

- Guaranteed strengths
- Eliminates need for concrete mixers
- Easy application
- Labor reduction
- Fast release
- Use anytime and anywhere.

4. MX250® CHARACTERISTICS

Characteristic	Unit	Standard	MX250®	MX250® CR VERSION
Bag weight	Kg	-	25	25
Color	-	-	Gray	Gray
Initial set	Min	-	≥ 120	≥ 120
Final set	Min	-	≤ 280	≤ 280
Compressive strength	MPa	NBR 5739	≥ 25 (3 days) ≥ 30 (7 days) ≥ 50 (28 days)	≥ 25 (3 days) ≥ 30 (7 days) ≥ 50 (28 days)
Density	Kg/m³	NBR 9833	2110	2110
Dimensional variation (Shrinkage)	mm/m	NBR 16834	n/a	0 to -0.4*
Consistency index (slump)	mm	NBR 16889	S160	S160
Coarse aggregate size	mm	-	4.8 e 9.5	4.8 e 9.5
Product shelf life	Years	-	2	2

NOTE: Shrinkage compensation only in the MX250 CR® product version.

OBS: The results presented in the table are under controlled laboratory conditions. On site, consider weather conditions, as there may be variations due to relative air humidity and/or temperature.

5. DOSAGE AND YIELD

Bags	Water content (L)	Volume (L)	Nº of bags/m³
1 (25 kg)	2,7 to 2,9	≈ 12	≈ 77

6. INSTRUCTIONS FOR USE

6.1 APPLICATION BASE PREPARATION

The application surface must be firm, clean, dry, cool to the touch, free from dust, oil, paint or any other residues that may compromise product adhesion to the base.

Apply MX250® in thicknesses of 1 to 4 cm.

The open time for product use is 40 min. During this period, do not add water to the original mix or attempt to reuse the material - it should be discarded. Only the addition of specific acids can increase the product's open time. If needed, consult the technical team.

6.2 MIXING: TURN AND TURN AGAIN (3 STEPS)

- Position the package with the valve facing up and add 2.7 L to 2.9 L of water through it.
- Tilt the package repeatedly until complete homogenization. The grout is ready for use. This process eliminates the need for a mixer.
- Open the bag and pour the content at the desired location. The grout must be applied within approximately 40 min.

6.3 CURING

The curing process is very important to ensure cement hydration. It is recommended to spray water on the surface after 1 hour of finishing, keeping the surface sufficiently moist. Or use Bidim (Bidim geotextile blanket) moistened only with water.

7. TRANSPORT

- Avoid platforms that may tear the bags;
- Use straps or bands to tie the bags. If using ropes, protect contact points;
- When using forklifts, position the forks carefully to avoid puncturing the bags;
- To lift the bag, hold it from below with both hands, protecting it lengthwise.

8. STORAGE

- Store bags in a dry and covered place;
- Stack on flat surfaces without irregularities;
- Prioritize using bags with longer storage time;
- Organize rows orderly, maintaining minimum 5 cm spacing between them;
- For prolonged storage, position bags horizontally.

9. PRECAUTIONS

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

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