

Product Description

CBGM-300 Grouting Additive is a non-shrink, high-strength cementitious admixture. When combined with local sand and cement, it produces durable grouts with excellent fluidity, volume stability, and mechanical performance. Tested according to GB/T 50448-2015; comparable to EN 1504 standards.

Recommended Mix Proportion

| | |
|-------------------|--------|
| Cement | 400 kg |
| Quartz Sand | 550 kg |
| CBGM-300 Additive | 50 kg |

Technical Properties

| Property | Requirement |
|----------------------------|---------------------------------------------------|
| Fluidity (mm) | Initial ≥ 290 30 min ≥ 260 |
| Expansion Rate (%) | 3h: 0.1–3.5 24h–3h: 0.02–0.5 |
| Compressive Strength (MPa) | 1d ≥ 20.0 3d ≥ 40.0 28d ≥ 60.0 |
| Effect on Reinforcement | No corrosion |
| Bleeding Rate (%) | 0 |

Features & Benefits

- Excellent flowability – easy placement without segregation.
- Non-shrink expansion – maintains tight contact with baseplates and structures.
- High early & final strength – meets demanding construction schedules.
- Durable & stable – resistant to bleeding, cracking, and steel corrosion.
- User-friendly – simple mixing with local sand and cement.

Applications

- Wind turbine foundation grouting.
- Precision machinery baseplates.
- Anchorage systems & precast connections.
- Industrial equipment and infrastructure repair.

Mixing & Application

1. Mix cement, sand, and CBGM-300 additive thoroughly in dry condition.
2. Add clean water (12–14% of total dry weight, adjustable for workability).
3. Mix mechanically until homogeneous grout is achieved.
4. Place immediately after mixing; avoid delay.

Packaging & Storage

Supplied in 25 kg bags. Shelf life is 12 months when stored in a dry, ventilated place.

Disclaimer

The data provided are based on laboratory tests. Actual performance may vary depending on site conditions. Users should perform trial mixes before large-scale application.