CBGM-125

High-Strength Non-Shrinking Grout
For Offshore Wind Power Applications

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Company Honors

Product Introduction

The CBGM-125 high-strength non-shrinking grout is a cementitious material specially engineered for offshore wind turbine installation. By adopting nano-modified reinforcement technology, it ensures excellent fluidity, ultra-high compressive strength, durability, shrinkage compensation, and fatigue resistance. This product is particularly suitable for offshore wind turbine foundation grouting and other demanding marine structures.

Product Characteristics

- Ultra-high fluidity and self-compacting performance
- Excellent bonding with steel, crack resistance
- Outstanding durability in marine environments
- Shrinkage compensation, ensuring crack-free performance
- High early and late compressive strength
- Optional long-term compressive strength (4 months: 160 MPa)

Scope of Application

CBGM-125 is suitable for offshore wind turbine foundation grouting, jacket and monopile structures, and other marine engineering applications requiring high-strength grout.

Packaging and Storage

Standard packaging: 25 kg/bag or 1 ton jumbo bag. Custom packaging available upon client request. Store in a dry environment, protected from moisture. Shelf life: 12 months.

Performance Indicators (GB50448-2015)

Item	CBGM-125 Type A	CBGM-125 Type B
Initial flowability (mm)	≥290	≥340
Flowability at 30 min (mm)	≥260	≥310
Flowability at 60 min (mm)	≥230	≥260
Initial setting time (min)	≥120	≥120
Apparent density (kg/m³)	2350–2500	2350–2500
Expansion rate (3h)	0.1–0.3%	0.1–0.3%
Expansion rate (24h)	0.02–0.05%	0.02–0.05%
Compressive strength 1d (MPa)	≥50	≥50
Compressive strength 3d (MPa)	≥85	≥85
Compressive strength 28d (MPa)	≥125	≥125
Compressive strength 4 months (MPa)	160 (Optional)	160 (Optional)
Elastic modulus 1d (GPa)	≥12	≥12
Elastic modulus 28d (GPa)	≥45	≥45

Disclaimer

Disclaimer: The technical data provided in this brochure is for reference only. Actual performance may vary depending on project conditions and construction methods. Clients are advised to conduct trials or consult our technical team for confirmation before large-scale application. Sino-sina Building Materials Co., Ltd. reserves the right to update product specifications without prior notice.