

STANDARD NON SHRINKAGE GROUTING MATERIAL

CGM-T50 STANDARD NON SHRINKAGE GROUTING MATERIAL is formulated in precise test. It adopts cement as binding material, compounds with various admixtures and selected aggregates, supplements additives with high fluidity, micro-expansion, and anti-segregation. The product has advantages of no shrinkage, micro-expansion, Self-flow, vibration-free, non-toxic, harmless, non-aging, no pollution to water quality and surrounding environment, good self-tightness, anti-rust and so on. It fundamentally changes the bearing force of the equipment base so that it can evenly bear the full load of the equipment, thus meeting the installation requirements of various machine, heavy equipment and high-precision machine tools.

Test Item		Index		
		JC/T986-(2005)2012 <i>Cementitious grout</i>	GB/T50448-2015 <i>Technical code for application of cementitious grout</i>	CGM-T50
Compressive strength (Mpa)	1d	≥22	≥20	≥25
	3d	≥40	≥40	≥43
	28d	≥70	≥60	≥72
Liquidity (mm)	Initial value	≥260	≥290	≥295
	30min retention value	≥230	≥260	≥265
Vertical expansion rate %	3h	—	0.1-3.5	0.65
	Expansion difference value between 3h and 24h	—	0.02-0.5	0.1
	1d	≥0.02	—	0.75

Reinforcement grip strength (round steel)/MPa	28d	≥ 4.0	—	≥ 4.2
Corrosive effect on steel bars		NO	NO	NO
Bleeding rate%		≤ 1	0	0

Scope of application:

Suitable for bolt anchoring, reinforcement of steel structure and foundation interface, secondary grouting of equipment foundation, installation of electric and mechanical equipment, sealing of static pressure pile engineering, reinforcement and transformation of high grade concrete structure, crack treatment of old concrete structure, thickening of wall structure, reinforcement of road and bridge engineering.

Notes:

Dosage: Add water: 13%-15%

Packing: 25kg/bag , moisture-proof package

Usage amount : 2300KG/m³ (theoretical value)

Storage: It can be stored for 6 months under the condition of dry sealed bag. If stored more than 6 months, need test before use.

Durability: No significant strength change after 200 times fatigue test and 50 times freeze-thaw cycle test .