

JGM[®]-II

High Strength Cementitious Grout without Shrinkage

Brief Introduction

JGM[®]-II high-strength cementitious grout without shrinkage is an inorganic material, as well as a complicated mix of inorganic and organic materials. It possesses the characteristics of self-leveling, a high early stage strength, slight expansion, and good fatigue resistance, etc. It is particularly suitable for grouting for nuclear power stations and other special equipment, grouting for large-seal equipment foundation, etc.

Product Features

- **Good Self-Leveling:** Can consolidate under its own weight without any vibration.
- **No shrinkage:** Improve volume stability and adhesion.
- Non-corrosion to steel bar, high resistance of chemical corrosive capability and high resistance to grease penetration.

Technical Data

Following data are the typical characteristics of JGM[®]-II, which can be adjusted slightly depending on customer's needs. Performance index of JGM[®]-II can be referred to technical requirements of GB/T 50448-2015 and B.T.S.-1.21.

Item		Performance index
Compressive Strength (MPa)	1d	≥25.0
	3d	≥40.0
	28d	≥60.0
Fluidity (mm)	Initial	≥340
	30min	≥310
Vertical Expansion Rate (%), 1d		0.1 ~ 2.0
Bleeding Rate (%)		0
Corrosion to the steel bar		No

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Method of Use and Matters Needing Attention

- **Ration of water and material:** Recommended proportion of water to JGM[®]-II is 0.13~0.16, 1830kg JGM[®]-II can produce 1m³ slurry and water consumption should be adjusted based on the construction site conditions.
- **Mixing:** Recommend high speed mixer and the mixing time should be more than 5 min and the mixing area should be closed off from the pouring location; the time from start to finish should be less than 1 hour. The slurry should be injected into the site from the same direction.
- **Curing:** Before the final set, the second polishing should be completed; after the final set, water protection should be maintained for no less than 7 days.

Packaging and Storage

- **Packaging:** JGM[®]-II is packaged in valve bags and the net weight of each bag is 25kg.
- **Storage:** Take care not to pierce the bag and keep it away from water during storage and transportation. The maximum product life is within one year if maintained in the proper conditions.

Security Matters

JGM[®]-II contains no hazardous substances that require labeling. However, using standard handling procedures with the product is recommended. Wear gloves and eye protection and wash the skin with soap and water if contact with the product occurs at the end of shifts or breaks.

Technology and Service Characteristics

To guarantee the desired concrete performance, we provide a technical consulting service dealing with the design of concrete mix proportion and experiments on the optimization of mix proportion. Our technical staff offers an on-site directing service for free.

NOTE: Field service, where provided, does not constitute supervisory responsibility. Suggestions made by SOBUTE whether verbal or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, but not SOBUTE, are responsible for carrying out procedures appropriate to the specific application.



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