

ADMIX GM515

Shrinkage Compensating Admixture for Production of Injection Grout for Post Tension Cables and Anchoring

ADMIX GM515 is a powder form admixture use to compensate natural shrinkage and bleeding, increase workability, waterproofing and increasing strengths of injection grouts. The product provides good adhesion to steel and is a suitable coating for steel cables against corrosion and rust. Using too much water for producing injection grout will result in excess of voids after evaporation, as well as natural shrinkage of grout up to 2-3 percent. Using ADMIX GM515 in the rate of 6% of cement in the grout can help to solve the problems.

Applications

ADMIX GM515 can be used for producing non-shrink and injection grouts at job site. Using this admixture in production of high quality and durable concrete is strongly recommended, especially in aggressive environments and salty lands.

Expansion

Expansion affect occurs during 1 to 2.5 hours after adding the product in cement-based mixes which depends on environmental temperature. The expansion rate is between 2% to 3% in cement-based slurries, this rate is 1% to 1.5% in concrete or sand-cement mortars.

Properties

Appearance	Viscous liquid
Chloride content	Marbleized to light gray
Nitrate content	1.4 g/cm ³ at 25°C
Flash point	12.5 – 13.5
Water cement ratio (slurry)	< 0.1%

Applications Method

Pour measured water to the mixer and add cement while the mixer is rotating, continuing mixing till a homogeneous paste be achieved. Add **ADMIX GM515** to the cement paste and



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continue mixing for further 30 seconds, finally add aggregates (if existed in mix design) and mix it for 2 more minutes. Please note that excessive mixing results in less expansion. Suitable working temperature is +5 to +40°C.

Equipment cares

Tools and equipment should be washed with water after completion of each job.

Dosages

Proper dosage can be determined by trials for each project and can't be generalized to other projects. Tested dosage is between 2 to 7 percent of cementitious materials depending on expected setting time, type of cement and water cement ratio.

Packaging

ADMIX GM515 is supplied in 6 kg PP bags.

Storage

This product should be stored in original packages under cover, out of direct sunlight and be protected from rainfall and moisture. Shelf life is 12 months in original unopened bags.

Safety awareness

Like other chemical products, **ADMIX GM515** may cause irritation. Use personal safety devices while using this material. In case of any contact or splashing to eyes or skin, wash it with clean water for at least 15 minutes and get medical helps.

Quality approval

All materials produced in **White Damavand** Co. are under strict control of QC department and meet the requirements of international standards.

Supplementary data

For any additional information, please contact company's specialists.



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