

Admix GM515

Shrinkage compensating admixture for production of injection grout for post tension cables and anchoring

Product introduction:

Admix GM515 is powder form admixture use to compensate natural shrinkage and bleeding, increase workability, water proofing 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 upto 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.

Technical properties:

Appearance: gray powder

Chloride content: Nil, in accordance to BS 5075

Nitrate content: Nil

Flash point: not flammable

Dosage: 6 kg. / 100 Kg. of cement

Water cement ratio (slurry): 25%

Method of use:

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 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.

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 15 minutes and get medical helps.

Quality approval:

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

Supplementary data:

For additional information, contact company's specialists in Tehran at: 88678881-3 or e-mail address: info@white-damavand.com.