

ADMIX GM520

High Strength, Ready to Use, Cement Based Constructional Grout Mortar

ADMIX GM520 is a ready to use product in powder form, which requires only on-site addition of water to produce a high flowable non-shrink grout. The product is fine graded designed and suitable for grouting in thicknesses of 5 to 50 mm. It can also be used for production of high strength and non-shrink concrete when mixed with aggregates.

Applications

ADMIX GM520 is formulated for use at plastic or flowable consistency and can be used with confidence for bedding, grouting, anchoring, void filling, columns and piles re-profiling.

Advantages

- This product is designed and produced in accordance to local and international regulations based on following requirements
- Shrinkage compensated.
- Adjustable consistency (with water).
- Proved and predictable performance.
- High bond strength to steel and concrete.
- Early strength development even at flowable consistency.

Properties

Appearance	Gray powder
Bulk Density	1.4 g/cm ³
Grouting height	5 - 50 mm
Adding water	7.5 to 8.5 liters per 25 kg powder
Consumption (dry mortar)	Approx. 2 kg/l
Compressive strength (Flowable consistency)	
24 hr.	20 MPa
3 days	28 MPa
7 days	40 MPa
28 days	48 MPa



White Damavand Corporation

4th Floor, No.13, West 35th St.
Alvand Ave., Argentina Sqr.,
Tehran, Iran

Tel: +98 (21) 8867 8880

Application method

Surface preparation:

The surface onto which the grout is to be applied should be scabbled to remove laitance and expose aggregate. Do not use heavy or power hammers or similar preparation equipment that can crush the aggregate but leave it in place. The surface must be free of oil, dust, dirt, paint, curing compounds or other contaminants that could impair adhesion. Saturate area to be grouted to minimize absorption. Surfaces should be damp but free of standing water. Particular attention should be paid to bolt holes to ensure that they be free of standing water. Use oil free compressed air to blow out bolt holes and pockets as necessary. Base plates and bolts must be clean and free of oil, grease and paint. Set and align equipment prior to grouting. If spacers are to be removed after the grout has set, then lightly grease them for easy removal. Ensure formwork is secure and watertight to prevent movement and leaking during placing and curing of grout.

Mixing:

Use power mixer for large productions and use a low-speed drill with paddle to mix one bag with water. Damp down inside of the mixer but free of standing water. Add the pre-measured quantity of water to the mixer. Slowly add the **ADMIX GM520** while mixing takes place. Mix for 3-5 minutes until a smooth, uniform, lump free consistency is achieved. No long-time mixing is permitted as cause shrinkage of grout.

Placing:

Place immediately after mixing into the prepared area from one end, continuing to ensure full filling of spaces and being appeared from other sides of plates. Pour the grout continuously maintaining a constant hydrostatic head wherever possible. **ADMIX** grouts are suitable for use with most types of injection pumps. Immediately after placing **ADMIX GM520**, cover all exposed grout surfaces with clean wet sack cloth or tissue and keep them moist till strength



White Damavand Corporation

4th Floor, No.13, West 35th St.
Alvand Ave., Argentina Sqr.,
Tehran, Iran

Tel: +98 (21) 8867 8880

<http://white-damavand.ir>

info@white-damavand.ir

gaining (about 5 days). Use of curing compound is recommended where clean water is not available.

Packaging

ADMIX GM520 is supplied in 25 kg PP bags.

Storage

This product must be stored in original bags under cover, out of direct sunlight and be protected from extremes of compaction. Shelf life is 12 months if stored in suitable condition.

Safety awareness

Like other cement-based products, **ADMIX GM520** may cause minor irritation. Use personal safety devices while using this material. In case of any contact 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.



White Damavand Corporation

4th Floor, No.13, West 35th St.
Alvand Ave., Argentina Sqr.,
Tehran, Iran

Tel: +98 (21) 8867 8880

<http://white-damavand.ir>

info@white-damavand.ir