

ADMIX GM531

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

ADMIX GM531 is a ready to use product in powder form which contains silica fume and other special chemical additives beside usual grout contents. The product is designed with larger size aggregates which is suitable for grouting in thicknesses of 40 to 120 mm. For application of thicker layers consult our technical specialists.

Applications

ADMIX GM531 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.
- Low permeability.

Properties

Appearance	Gray powder
Bulk density	1.4 g/cm ³
Grouting height	40 - 120 mm
Adding water	4.5 to 5.25 liters per 25 kg powder
Consumption (dry mortar)	Approx. 2 kg/l
Compressive strength (flowable consistency)	
24 hr.	25 MPa
3 days	32 MPa



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7 days	48 MPa
28 days	68 MPa

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 GM531** 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 GM531**, cover all exposed grout surfaces with clean wet sack cloth or tissue and keep them moist till strength gaining (about 5 days). Use of cuing compound is recommended where clean water is not available.



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Dosages

Each 25 kg bag fills 13 liters of space, and in the fluid state, 78 25 kg bags are needed for one cubic meter.

Packaging

ADMIX GM531 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 GM531** 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.

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