

UltraTech POWERGROUT

PGM

Pumpable Gun Grade Mortar

Series: PGPGM0012 | Month: February 2021
Supersedes all earlier TDS



UltraTech POWERGROUT PGM is a cement-based, polymer enriched, ready mix, pumpable/gun grade mortar. It is made with high quality additives and selected fillers, for filling tie rod hole/slit holes in concrete, joints in brick masonry and natural stones.

Areas of Application

UltraTech POWERGROUT PGM is ideal for filling tie rod hole/slit holes in concrete, joints in brick masonry and natural stones.

Features and Benefits

- Watertight joints/holes
- Controlled fluidity
- Self-curing
- Excellent bonding with surrounding substrate
- Provides uniform & smooth finish
- Speedy completion of work due to convenience in application
- Negligible wastage
- Non-shrink

Method of Application



Surface Preparation

- Prepare the hole/slit before the application of UltraTech POWERGROUT PGM by removing oil, bond inhibiting agents, dirt, dust and laitance.
- Clean the surface following suitable methods like by using wire brush, water jetting, mopping, etc.



Mixing

- UltraTech POWERGROUT PGM requires 24-25% potable water by weight of material.
- Add UltraTech POWERGROUT PGM to the measured quantity of water and mix using a mechanical stirrer for 2-3 minutes to ensure a consistency free of lumps.
- Do not add more water to alter the mix consistency or to extend the pot life. Further water addition will hamper the strength and adhesion properties of UltraTech POWERGROUT PGM.



Application

- UltraTech POWERGROUT PGM can be applied inside the tie rod holes by using pumpable gun within 1 hour of mixing.
- Use suitable mortar gun to pump the mortar into the holes. Use spatula, putty blade or any suitable tool to prepare the final finish. Sponge or wet cloth can be used for cleaning the surface subsequent to the application of UltraTech POWERGROUT PGM.

Technical data

Bulk density	1450-1550 kg/m ³
Water powder ratio	24-25 % by weight
Pot life	1 hour @ 27°C
Compressive strength @ 28 days	12-15 MPa
Coverage/25 kg bag	325-350 holes @ 6 mm dia x 300 mm deep cylindrical holes
Shrinkage	Nil
Curing	Self-curing
Wastage	Negligible
Flexural strength @ 28 days	3-4 MPa
Pull out adhesion strength @ 28 days @ normal conditions	0.7 MPa @ 3 mm thickness

Note

- Allow a minimum of 24 hours for the subsequent usage. Do not use if temperature is likely to drop below 5°C or exceed 50°C. For temperature below 20°C allow UltraTech POWERGROUT PGM to harden for an extended period of time.
- The technical data provided in this technical data sheet is as per lab testing conditions and may vary as per the actual method of application at sites.
- Consult UltraTech Building Products Division Technical Services Cell for any further technical assistance.

Shelf Life

- UltraTech POWERGROUT PGM has a shelf life of 12 months from the date of manufacture. Store in a cool and dry place.

Packaging

25 kg

Safety Directions

- UltraTech POWERGROUT PGM is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with clean water.
- In case of prolonged irritation, medical advice should be sought. UltraTech POWERGROUT PGM is non-flammable.

Other Product Categories

- Waterproofing - SEAL & DRY and WEATHER PRO
- Tile Adhesive & Tile Grout - TILEFIXO and TILEFIXO GROUT
- Plaster & Jointing Mortar - SUPER STUCCO, READIPLAST, BASEKRETE and FIXOBLOCK
- Repair & Rehabilitation - MICROKRETE, MYKROFILL and BASEKRETE
- Flooring - FLOORKRETE
- Autoclaved Aerated Lightweight Concrete Blocks - XTRALITE

Variants

- Available in select colours

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DISCLAIMER

Information provided in this data sheet is a guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no implied guarantee/warranty for the results and the company is not liable for any consequential damages.

UltraTech
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UltraTech Cement Limited

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