

UltraTech FLOORKRETE

HS2

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Supersedes all earlier TDS

Multipurpose Floor Screed

UltraTech FLOORKRETE HS2 is a cement-based, polymer modified, pre-mixed, high strength mortar specially formulated for multi-purpose floor screed applications. It provides a levelled and uniform surface.

Specification

Technical parameters complies with IS 2250.

Areas of Application

UltraTech FLOORKRETE HS2 is ideal as a final protective levelling screed over waterproofing coating, warehouse, garage and work shop floors and as an underlayment for marble as well as large tile floorings.

Features and Benefits

- Excellent adhesion
- High compressive strength
- Faster screed applications from 20 mm to 50 mm thickness
- Ready for subsequent application after 48 hours depending on ambient conditions
- Ready to use floor screed mortar just by adding water
- Well graded good quality sand and fillers which enhances the durability
- Minimal wastage

Method of Application



Surface Preparation

- Prepare the surface before the application of UltraTech FLOORKRETE HS2 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.
- It is advisable to roughen the concrete surface or apply UltraTech SEAL & DRY 5 PLUS as bonding agent over the concrete surface to have the required bonding with UltraTech FLOORKRETE HS2.



Mixing

- UltraTech FLOORKRETE HS2 requires 15-17% potable water by weight of material.
- Add UltraTech FLOORKRETE HS2 to the measured quantity of water and mix for 2-3 minutes to ensure a consistency free of lumps.
- If required, UltraTech FLOORKRETE HS2 can be mixed with 10 mm down well graded aggregates in 1:1 ratio by weight.



Application

- Pour the mix on prepared substrate uniformly and as per required thickness, for hassle free work.
- Use spatula, aluminum floats or any suitable mechanical levelling device for final leveling purpose.
- Ensure panel size & groove cutting as per consultation of UltraTech technical services depending on the application areas.

Technical data as per relevant IS Standards

Fresh wet density	2250-2350 kg/m ³
Water powder ratio	15-17% by weight
Pot life	1 hour
Subsequent usage time	48 hours
Compressive strength @ 28 days	35-40 N/mm ²
Compressive strength @ 28 days with addition of 10 mm down well graded aggregate in 1:1 ratio by weight	20-25 N/mm ²
Coverage/40 kg bag	18-20 sq.ft. @ 12 mm
Thickness range of application	20-50 mm
Curing	2 days @ 3 times a day

Note

- Allow a minimum of 48 hours for the subsequent usage over UltraTech FLOORKRETE HS2 applied areas. Do not apply if temperature is likely to drop below 5°C or exceed 50°C.
- For temperature below 20°C allow the screed to cure for an extended period of time. Curing to be extended from normal 2-3 days as per the ambient conditions.
- 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 FLOORKRETE HS2 has a shelf life of 12 months from the date of manufacture. Store in a cool and dry place.

Packaging

40 kg

Safety Directions

- UltraTech FLOORKRETE HS2 is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with clean water immediately.
- In case of prolonged irritation, medical advice should be sought. UltraTech FLOORKRETE HS2 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
- Industrial & Precision Grout - POWERGROUT
- Autoclaved Aerated Lightweight Concrete Blocks - XTRALITE

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.

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UltraTech Cement Limited

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