

Description

UltraTech **FLOORKRETE** is a cement-based, pre-mixed, polymer modified, floor screed specially formulated for high strength concrete flooring applications. UltraTech **FLOORKRETE** provides a smooth and hardened finish.

Variants

- FLOORKRETE HS1 (For designed strength upto 40 MPa)
- FLOORKRETE HS2 (For designed strength upto 30 MPa)
- FLOORKRETE HS3 (For designed strength upto 15 MPa)

Specification

Technical parameters complies with **IS 2250**.

Features & Benefits

- Consistent quality due to superior raw materials used
- Excellent adhesion and compressive strength
- Faster screed applications from 20 mm to 50 mm thickness
- Ready to use after 24 hours dependent on thickness, ambient temperatures and humidity
- Ready to use floor screed mortar just by adding water
- Well graded good quality sand and fillers which enhances the durability
- Optimum pot life
- Reduced wastages

Areas of Application

UltraTech **FLOORKRETE** is suitable in areas which demand a faster floor screed/bed applications. It can be used for preparation of superior floor levels in industrial floors, as a strong based for anti-static floors, for heavy duty load movement areas.

METHOD OF APPLICATION

Surface Preparation



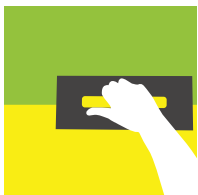
- Prior to application of UltraTech **FLOORKRETE**, surface should be clean, free of oil, grease and paint. Defects deeper should first be patched with concrete by using UltraTech Microkrete. It is advisable to have adequate roughness on the concrete surface to have the required adhesion with UltraTech **FLOORKRETE**
- UltraTech **X'TRAKRETE** with cement as bonding agent is suggested over old floor repair applications to provide excellent bond between substrate and UltraTech **FLOORKRETE**

Mixing



- Mix UltraTech **FLOORKRETE** with 18-20 % by weight of water using mechanical stirring for 2-3 minutes to ensure a consistency free of lumps. Use power floats or any suitable mechanical levelling device to prepare the final floors levels
- M-Sand, River Sand as well as coarse aggregates which are well graded can be mixed in 1:1 ratio by weight, along with UltraTech **FLOORKRETE** for higher volume applications

Application



- Use spatula, aluminum floats or any suitable mechanical levelling device to prepare the final floor levels

TECHNICAL DATA AS PER RELEVANT IS AND ASTM STANDARDS

Bulk density	1750-1850 Kg/m ³
Water powder ratio	18-20%
Pot life	1 hour
Subsequent usage time	24 hours
Compressive strength @ 28 days (without aggregates/sand)	40-42 N/mm ²
Compressive strength @ 28 days (with aggregates/sand)	25 N/mm ²
Thickness range of application	20-50 mm

Note

- Allow a minimum of 24 hours for the subsequent usage over the Ultratech Floorcrete applied areas. Do not apply if temperature is likely to drop to below 5°C or exceed 50°C. For temperature below 20°C allow the adhesive to cure for an extended period of time. Curing to be extended from normal 2-3 days as per the actual temperature in site conditions
- The technical data provided in this technical data sheet is as per our internal lab testing and may vary as per the actual method of application at sites

Safety Directions

- UltraTech **FLOORKRETE** 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 **FLOORKRETE** is non-flammable

Packaging

40 Kg

Shelf Life

- UltraTech **FLOORKRETE** has a shelf life of 12 months from the date of manufacture. Store at a cool and dry place

Other Product Categories available with UltraTech Building Products Division

- Tile Adhesives
- Micro Concrete and Repair Mortar
- Industrial/Precision Grout and Anchors
- Waterproofing and Injection Grouting Material
- Plasters and Jointing Mortar
- Autoclaved Aerated Lightweight Concrete Blocks

DISCLAIMER

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



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