

UltraTech BASEKRETE HS2 is a cement-based, polymer enriched, pre-mixed, high performance, high strength multipurpose mortar specially formulated for plastering, brick/block jointing and old surface repair.

Specification

Technical Parameters complies with IS 2250.

Areas of Application

UltraTech BASEKRETE HS2 is ideal for areas which require thick plaster and demand high strength like swimming pools, water tanks and basements with maximum thickness of plaster up to 25mm in single layer. It is also recommended to be used as an underlayment plaster for tile adhesives to provide the required strength to hold the special/large size tiles over vertical surfaces. It is also suitable for application in brick/block masonry, filling electrical conduit linings and as a repair mortar for old surface repair.

Features and Benefits

- Excellent adhesion
- High compressive strength
- Minimal wastage
- Faster applications up to 25 mm thickness
- Ready to use for subsequent application after 48 hours depending on ambient conditions
- Ready to use mortar just by adding water
- Well graded good quality sand and fillers which enhances the durability

Method of Application



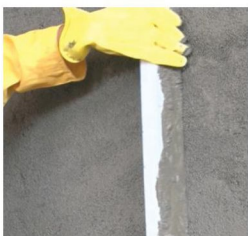
Surface Preparation

- Prepare the surface before the application of UltraTech BASEKRETE 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.
- Defects deeper than 25 mm should first be patched using suitable mortar.
- 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 adhesion.
- Pre-wet the surface before the application of UltraTech BASEKRETE HS2.



Mixing

- UltraTech BASEKRETE HS2 requires 14-16% potable water by weight of material.
- Add UltraTech BASEKRETE HS2 to the measured quantity of water and mix using a mechanical stirrer for 2-3 minutes to ensure a consistency free of lumps.
- If required, UltraTech BASEKRETE HS2 can be mixed with sand (As per IS 383) in 1:1 ratio by weight.
- Mix only the required quantity of material which can be consumed within the 1 hour pot life and do not add more water than the prescribed water ratio to the already mixed UltraTech BASEKRETE HS2.



Application

- Use spatula/trowel to apply UltraTech BASEKRETE HS2 on the surface. Do the final leveling with aluminum floats/levelers.
- UltraTech BASEKRETE HS2 can be applied with thickness up to 25 mm in single layer. For thickness above 25 mm, multiple layer application is recommended.

Technical data as per relevant IS Standards

Bulk density	1550-1650 kg/m ³
Water powder ratio	14-16% by weight
Pot life	1 hour
Subsequent usage time	48 hours
Compressive strength @ 28 days	23-27 N/mm ²
Compressive strength @ 28 days with addition of sand in 1:1 ratio by weight	13-15 N/mm ²
Coverage/40 kg bag	18-20 sq.ft. @ 12mm
Thickness range of application	12-25 mm
Curing	2 days @ 3 times a day

Note

- Allow a minimum of 48 hours for the subsequent usage over UltraTech BASEKRETE HS2 applied areas. Do not apply if temperature is likely to drop below 5°C or exceed 50°C. 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 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 BASEKRETE 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 BASEKRETE 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 BASEKRETE 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 and FIXOBLOCK
- Repair & Rehabilitation - MICROKRETE and MYKROFILL
- Flooring - FLOORKRETE
- 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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