

UltraTech
FLOORKRETE

Multipurpose Floor Screed

HS2



Series: FKHS20012
Month: September 2019
Supersedes all earlier TDS

Description

UltraTech **FLOORKRETE HS2** is a cement-based, pre-mixed, polymer modified, floor screed specially formulated for high strength concrete flooring applications. UltraTech **FLOORKRETE HS2** provides a smooth and hardened finish.

Variants

FLOORKRETE HS1 (For designed strength upto 40 MPa)

FLOORKRETE HS2 (For designed strength upto 25 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 HS2** 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 HS2**, surface should be clean, free of oil, grease and paint. Defects deeper should first be patched with concrete by using UltraTech Microcrete. It is advisable to have adequate roughness on the concrete surface to have the required adhesion with UltraTech **FLOORKRETE HS2**
- UltraTech **SEAL & DRY SBR** with cement as bonding agent is suggested over old floor repair applications to provide excellent bond between substrate and UltraTech **FLOORKRETE HS2**

Mixing



- Mix UltraTech **FLOORKRETE HS2** with 15-17 % by weight of water using mechanical stirrer 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
- Addition of 10 mm down well graded aggregates by 1:1 proportion by weight to UltraTech **FLOORKRETE HS2** is recommended for higher volume applications as per required strength

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	15-17% by weight
Pot life	1 hour
Subsequent usage time	48 hours
Compressive strength @ 28 days (without aggregates/sand)	35-40 N/mm ²
Compressive strength @ 28 days with addition of 10mm down well graded aggregate @ 1:1 proportion by weight	20-25 N/mm ²
Thickness range of application	20-50 mm
Curing Time	2 days @ 3 times a day

Note

- Allow a minimum of 48 hours for the subsequent usage over the Ultratech Floorkrete 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 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

Packaging

40 Kg

Shelf Life

- UltraTech **FLOORKRETE HS2** 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



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