

UltraTech FIXOBLOCK

Thin Layer Jointing Mortar

Series: FB0012 | Month: February 2021
Supersedes all earlier TDS

UltraTech FIXOBLOCK is a thin jointing mortar for AAC blocks masonry work. It is specially designed to provide high strength and durable bonding between the blocks.

Specification

Technical parameters complies with ASTM C 1660-09.

Areas of Application

UltraTech FIXOBLOCK is recommended during masonry wall preparation for joining all types of Autoclave Aerated Concrete (AAC) blocks and fly ash bricks.

Features and Benefits

- Economical - Save substantial cost compared to conventional mortar
- High tensile adhesion strength at joints
- No shrinkage cracks at joints
- Self-curing
- Thin bed joints
- Ready for subsequent application in 24 hours
- Saves time - Eliminates lengthy and cumbersome process of site mixing
- Uniform and consistent quality

Method of Application



Surface Preparation

- Prepare the surface before the application of UltraTech FIXOBLOCK by removing oil, bond inhibiting agents, dirt, dust and laitance using wire brush.
- Wet the blocks, bricks, concrete blocks before application of UltraTech FIXOBLOCK to avoid any abrupt absorption of water from the material.



Mixing

- UltraTech FIXOBLOCK requires 25% potable water by weight of material.
- Add UltraTech FIXOBLOCK to the measured quantity of water and mix using a mechanical stirrer for 2-3 minutes to ensure a consistency free of lumps.
- 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 FIXOBLOCK.



Application

- It is recommended to apply UltraTech FIXOBLOCK with notch trowel for attaining uniform thickness of 3 mm consistently.
- Avoid using UltraTech FIXOBLOCK in watery consistency (slurry form) so that generation of air voids between the AAC Blocks and development of cracks can be prevented.

Technical data as per relevant IS and ASTM Standards

Bulk density	1450-1550 kg/m ³
Water powder ratio	25% by weight
Pot life	1 hour @ 27°C
Usable time post application	24 hours
Tensile adhesion strength @ 28 days (EN 1348)	0.75 N/mm ²
Split tensile strength @ 28 days (ASTM C 1660-09)	0.4-0.5 N/mm ²
Compressive strength @ 28 days	6-7 N/mm ²
Coverage/kg	3-5 sq.ft. for block thickness of 100mm

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.
- 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 FIXOBLOCK 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 FIXOBLOCK 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 FIXOBLOCK is non-flammable.

Other Product Categories

- Waterproofing - SEAL & DRY and WEATHER PRO
- Tile Adhesive & Tile Grout - TILEFIXO and TILEFIXO GROUT
- Plaster - SUPER STUCCO, READIPLAST and BASEKRETE
- Repair & Rehabilitation - MICROKRETE, MYKROFILL and BASEKRETE
- 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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