

FIXOBLOCK



Thin Layer Jointing Mortar

Technical Data Sheet

Series: FB0007

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Supersedes all earlier TDS

Description

UltraTech **FIXOBLOCK** is a versatile thin jointing material for thin bed applications. This mortar is specially designed to provide stronger, much more durable bonding between the blocks with optimum adhesive strength.

Specification

Technical Parameters complies with **ASTM C 1660-09**

Features & Benefits

- Uniform and consistent quality.
- High tensile adhesion for good bonding strength.
- No shrinkage cracks at joints.
- No curing required post application.
- Replacement for conventional cement and sand mortar.
- Thin bed joints and less material consumption.
- Ready for subsequent application in 24 hours.
- Economical :
 - Save substantial cost compared to conventional mortar
 - Saves time- eliminates lengthy and cumbersome process of site mixing

Areas of Application

It is recommended for masonry wall preparation by joining all types of Autoclave Aerated Concrete (AAC) blocks, flyash bricks, flatbed concrete blocks etc with compressive strength below 6 N/mm².

Method of Application:

1. Surface Preparation

- Prepare the surfaces before the UltraTech **FIXOBLOCK** application by removing oil, bond inhibiting agents, dirt, dust and laitance.
- The cleaning can be carried out with suitable methods like by using wire brush, water jetting, mopping etc.
- Wet the blocks, bricks, concrete blocks before application of UltraTech **FIXOBLOCK** to avoid any abrupt absorption of water from the material.

2. Mixing

- UltraTech **FIXOBLOCK** requires 25 % of water by weight of material.
- Mix **UltraTech FIXOBLOCK** to the measures quantity of water using mechanical stirring for 2-3 minutes to ensure a consistency free of lumps.

3. Application

- It is recommended to apply UltraTech **FIXOBLOCK** with notch trowels for attaining uniform thickness of 3 mm consistently.
- Avoid using UltraTech **FIXOBLOCK** in watery consistency (slurry form) to avoid generation of air pockets between the AAC Blocks and further cracks.

Technical Data

| | |
|---|-------------------|
| Bulk Density | 1550-1650 kg/ cum |
| 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 | 0.8 N/sq.mm |
| Splitting tensile strength @ 28 days – ASTM C 1660-09 | 0.50 N/ sq mm |
| Compressive strength @ 28 days | 6-7 N/ sq mm |

Coverage Table: @ 3 mm Thickness

| Block Size (mm) | | | Wall Area Coverage |
|-----------------|--------|-----------|--------------------|
| Length | Height | Thickness | (Sq ft/ 40 kg bag) |
| 600 | 200 | 75 | 180-200 |
| 600 | 200 | 100 | 160-180 |
| 600 | 200 | 125 | 140-160 |
| 600 | 200 | 150 | 120-140 |
| 600 | 200 | 175 | 80-120 |
| 600 | 200 | 200 | 70-80 |
| 600 | 200 | 230 | 60-70 |
| 600 | 200 | 300 | 40-60 |

Note

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.

Packaging

25 kg & 40 kg bags.

Shelf Life

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

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. In case of prolonged irritation, medical advice should be sought. UltraTech **FIXOBLOCK** is non-flammable.

Other Product Categories available with UltraTech Building Products Division

- ✓ Aerated Lightweight Concrete Blocks
- ✓ Jointing mortar, Plasters and repair mortars
- ✓ Waterproofing Solutions
- ✓ Tile Adhesives
- ✓ Grouting & Anchors
- ✓ Floor Screeds

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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