

Description

UltraTech **XTRALITE** is a Light weight Autoclaved Aerated Concrete Block. It is manufactured through the reaction of the rising agent on a proportionate blend of lime, cement and flyash. During this process Hydrogen gas that escapes creates millions of tiny air cells and a stable cellular structure. This is further strengthened by high pressure steam curing in autoclaves.

Features & Benefits

- ✓ IGBC – Green Product Certified
- ✓ Compressive strength of GRADE 1 as per IS 2185
- ✓ Consistent Quality due to superior raw materials used.
- ✓ High dimensional accuracy.
- ✓ Faster applications and completion of masonry walls.
- ✓ Ready to use after 24 hours if used with UltraTech Fixoblock.
- ✓ Reduced wastages
- ✓ Speedy and durable constructions.
- ✓ Fire resistant and acoustically absorbent.
- ✓ Economical and long lasting.
- ✓ Energy efficient.
- ✓ Reduces the dead load of the structure and saves costs.
- ✓ Available in various block thickness.

Areas of Application

Suitable for masonry wall constructions in multi storied structures as well as for normal constructions as a replacement to conventional bricks and blocks. Excellent for partition wall preparations and for fast track construction needs.

Method of Application:

- Prior to the usage of UltraTech **XTRALITE**, it is recommended to understand the usage instructions from the UltraTech Technical services team. IS 6041 need to be followed judiciously while using UltraTech **XTRALITE**. Proper adherence to construction methods like usage of chicken mesh/ fibre mesh at joints, electrical & plumbing conduit areas , application of 8-10mm lean mortar at the entire concrete to UltraTech **XTRALITE** joining areas etc need to be followed.
- Highly recommended to use UltraTech **FIXOBLOCK**, thin jointing mortar along with UltraTech **XTRALITE** for optimum speed and results. Always ensure the correct bed layer / bed course is completed to attain the correct level of the walls.
- Suitable routing and cutting methods for AAC blocks has to be followed while using the UltraTech **XTRALITE** blocks.

Technical Data

Dry Density (IS 2185)	500-600 kg/ cum
Capillary water absorption @ 24 hours	2%
Fire resistance – IS 3809	Upto 6 hours
Subsequent usage time	24 hours
Compressive strength (IS 2185) @ 500-600 kg/cum	4-5 N/ sq mm
Sound Reduction Index (dB)	45dB for 200 mm blocks without plastering
Thermal conductivity	0.16-0.25 (k) w/m deg.C
Size of blocks	600mm*200mm*75-300mm
Dimensional accuracy	+/- 1mm
Splitting Tensile Strength at block joints with UltraTech Fixoblock (ASTM C1660-09)	0.50 N/mm ² @ 28 days

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.

UltraTech Building Products Division brings the widest range of Building Materials

- ✓ Aerated Lightweight Concrete Blocks
- ✓ Jointing mortar, Plasters and repair mortars
- ✓ Waterproofing Solution
- ✓ 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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