

UltraTech XTRALITE

Autoclaved Aerated Concrete Block

Series: XL0012 | Month: February 2021
Supersedes all earlier TDS



UltraTech XTRALITE is a light weight Autoclaved Aerated Concrete Block of superior quality made using high-quality raw material. It is a substitute to high density blocks/bricks, specially designed to reduce the dead load on the structure.

Specification

Technical parameters complies with IS 2185.

Areas of Application

UltraTech XTRALITE is ideal for infill masonry wall constructions in multi storied structures and for normal constructions as a substitute to conventional bricks and blocks. Excellent for constructing partition wall and to fast track the construction needs.

Features and Benefits

- Compressive strength of GRADE 1 as per IS 2185
- IGBC and GRIHA Certified Green Product
- Reduces the dead load on the structure
- High dimensional accuracy
- Speedy completion of masonry walls
- Durable construction
- Fire resistant and sound insulated
- Economical
- Energy efficient
- Available in various block thickness for varied construction needs

Method of Application



- Prior to the usage of UltraTech XTRALITE, it is recommended to understand the usage instructions from UltraTech Technical services team. IS 6041 need to be followed judiciously while using UltraTech XTRALITE.
- Ensure adherence to construction methods like usage of chicken mesh/fibre mesh at joints and electrical conduit areas.
- UltraTech BASEKRETE with fine aggregate in the mix ratio of 1:1 is recommended at bottom level and entire concrete interface areas.



- It is highly recommended to use UltraTech FIXOBLOCK, thin jointing mortar along with UltraTech XTRALITE for optimum speed and results. Always ensure the bed layer/bed course is laid evenly to attain correct level of the walls.
- It is recommended to provide atleast 10mm gap between concrete column and AAC wall and fill the gap using suitable mortar.
- Provide atleast 15-20mm space, between beam bottom and AAC blocks and fill the gap using suitable mortar.



- Allow the first course of block work for 24 hours to dry. Follow suitable routing and cutting methods for AAC blocks while using the UltraTech XTRALITE blocks.
- It is recommended to provide a horizontal reinforced bond beam for adequate stability and strength to the walls.

Technical data as per relevant IS Standards

Dry density (IS 2185)	550-650 kg/m ³
Capillary water absorption @ 24 hours	2%
Fire resistance – IS 3809	Up to 6 hours
Subsequent usage time	24 hours
Compressive strength (IS 2185) @ 500-600 kg/cum	4-5 N/mm ²
Sound Reduction Index (dB)	45 dB for 200 mm blocks without plastering
Thermal conductivity	0.16-0.25 (k) w/m deg. C
Size of blocks	600 mm* 200 mm* (75-300) mm
Dimensional accuracy	± 2 mm

Note

- 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.

Other Product Categories

- Waterproofing - SEAL & DRY and WEATHER PRO
- Tile Adhesive & Tile Grout - TILEFIXO and TILEFIXO GROUT
- Plaster & Jointing Mortar - SUPER STUCCO, READIPLAST, BASEKRETE and FIXOBLOCK
- Repair & Rehabilitation - MICROKRETE, MYKROFILL and BASEKRETE
- Flooring - FLOORKRETE
- Industrial & Precision Grout - POWERGROUT

MATT INDIA CO

G-25, SECTOR -63, GAUTAM BUDDH NAGAR, UP-201307 INDIA

Phone No:- 09555666476, 09555655544

Email:-mattindia1@gmail.com

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.



UltraTech Cement Limited

Regd. Office: 2nd Floor, B-Wing, Ahura Centre, Mahakali Caves Road, MIDC, Andheri (East), Mumbai - 400 093. India | Email: ultratech.care@adityabirla.com
Website: www.ultratechcement.com | Toll Free: 1800 210 3311

