

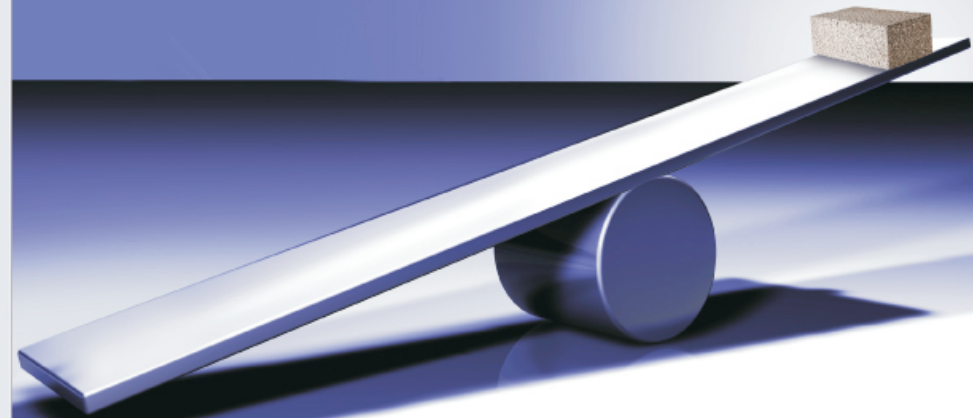
Sr. No	Parameter	UltraTech XtraLite
1	Size	625mmx250mmx75-300mm
2	Precision in size	Variation 1mm(+/-)
3	Compressive strength	35-40 kg/cm <sup>2</sup> (as per IS : 2185)
4	Dry density	500-600 kg/m <sup>3</sup> (oven dry)
5	Fire resistance	2-6 hours depending on thickness
6	Sound Reduction Index (dB)	45 dB for 200 mm thick wall
7	Thermal conductivity	0.16 (k) w/m deg.C
8	Colour availability	Greyish white

For any enquiries please contact:

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**UltraTech**  
**XTRALITE**  
 Autoclave Aerated Concrete Block

1/3<sup>rd</sup> the weight of  
 regular clay bricks.



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UltraTech XtraLite are light weight Aerated Autoclaved Concrete Blocks. These are suitable for multistoried as they are lighter than standard size bricks and blocks. The use of UltraTech XtraLite in constructions reduces the dead load significantly and also ensures less usage of steel and concrete. This product requires lesser number of joints, which result in saving jointing material, time and labour. UltraTech XtraLite is manufactured through a reaction of aluminum on a proportionate blend of lime, cement and fly ash. During the process, the hydrogen gas that escapes creates millions of tiny air cells, rendering UltraTech XtraLite with a strong cellular structure. This is further strengthened by high pressure steam curing in Autoclaves. The product thus formed is not only light weight but has higher compressive strength.

UltraTech XtraLite also imparts thermal and sound insulation characteristics to constructions. At the same time it also imparts fire and earthquake resistance properties. These qualities make UltraTech XtraLite perfect for modern constructions and also high rise buildings. UltraTech XtraLite provides an option for choosing between thicknesses ranging from 75mm to 300mm. Also, this product ensures smooth and accurate masonry profile. UltraTech XtraLite is also useful for renovation and alteration purposes.

The automatic manufacturing process gives UltraTech XtraLite an exceptional dimensional accuracy and smooth surface, allowing less thickness of plaster.

#### Weather & Earthquake Resistant

The impact of an earthquake forces on a structure is proportional to the weight of the building. Hence, UltraTech XtraLite provides excellent resistance to earthquake forces.

#### Long Lasting

UltraTech XtraLite blocks are not vulnerable to water damage as compared to other construction materials. It can even withstand harsh climatic conditions, thus reducing the rate of deterioration, this gives you increased value for your investment.

#### Acoustically Absorbent

UltraTech XtraLite blocks provide excellent sound absorption with a STC (Sound Transmission Class) rating of 44. It is a cellular structure which provides superior sound insulation. Therefore, these blocks are suitable for construction of residences, hotels, IT offices, recording studios, theatres, hospitals etc.

#### Economical

UltraTech XtraLite blocks are lighter than standard bricks and blocks, therefore they reduce the dead weight of the building. This will bring about significant savings in steel and concrete used.

#### Fire Resistant

The melting point of UltraTech XtraLite is over 1600 degree Celsius. Therefore it is more fire resistant, with a fire rating of 4 hours.

#### Energy Efficient

UltraTech XtraLite blocks give superior thermal insulation because of low thermal conductivity and low air infiltration. Moreover, lesser joints and better compacted (thin) jointing mortar add to the sound and thermal insulation. This also leads to cooler interiors and savings in air conditioning load and consequently enhanced energy efficiency. Since it is made of flyash, the embodied energy is very less.