

**BriXO**

Lite



**HIGH STRENGTH LIGHT WEIGHT**



BRIXOLite are high quality masonry blocks manufactured using fly ash (PFA), lime, gypsum, cement, water and other additives. After the controlled chemical reaction and steam curing it gains superior material properties. Key features of product comparing with ordinary clay brick is surmised below for understanding.

Property	BRIXOLite	Ordinary Clay Bricks
<b>Eco- Friendly</b>	"Green" Building Product manufactured with 60-70 % of Fly Ash.	Manufactured from top soil and considered to be environmentally unfriendly.
<b>Flexibility in Size</b>	Available in different sizes from 600mm X 200mm x 75 - 230 mm as per requirements.	Available in fixed size of 230mm x 115mm x 75mm.
<b>Size Accuracy</b>	Precision in size with variation of 3 mm (+/-)	Accuracy is low with variation of 5 mm (+/-)
<b>Weight</b>	550-650 kg/m <sup>3</sup> (Oven dry) Density reduces self weight hence saving in structural steel. Ideal for increase F.S.I in existing building also construction in Soil with low S.B.C.	Density between 1900 – 2000 Kg / m <sup>3</sup> higher self weight with high structural steel requirement.
<b>Work Speed</b>	Less numbers of blocks cover more area and almost 50 % saving in construction time.	As per conventional practice and speed.
<b>Strength</b>	Higher Compressive Strength, 35-40 Kg/cm <sup>2</sup> also possible to adjust with density.	Lower Compressive Strength, 25-30 Kg/cm <sup>2</sup> also not possible to adjust with density.
<b>Fitting and Chasing</b>	Any kind of fitting and chasing is possible.	Same as per standard practice.
<b>Breakage</b>	Approximate 2-5% Breakage.	Approximate 15-20% Breakage
<b>Labour</b>	Comparability lesser labour requirement.	Same as per conventional practice.
<b>Carpet Area</b>	Possible to increases approximately 2-3 % floor carpet area to use and sell.	Fixed wall thickness with no increase in floor carpet area is possible.
<b>Sound Reduction</b>	Approx. 45 db for 200 mm thick wall having Good sound insulation Property.	Approx. 50 db for 230 mm thick wall having lower sound insulation Property.
<b>Thermal Conductivity</b>	0.16 (K)w/m Deg.C restricts energy transmission, reduces energy consumption 15 % (app.) Saving in electricity.	0.81 (K)w/m Deg.C there is no such energy saving possible.
<b>Fire Resistance</b>	2 to 4 Hours depending on thickness.	2 Hours Approximate.
<b>Surface Finish</b>	Even surface required 5 cm of mortar and 3 to 5 cm of plaster layer. Saving in Material.	Uneven surface required at least 10 cm of mortar and 12 to 20 cm of internal and external plasters layer.
<b>Mortar</b>	Approx. 0.50 bag of Cement in 1 m <sup>3</sup> with 1: 6	Approx. 1.40 bag of Cement in 1 m <sup>3</sup> with 1:6
<b>Product Quality</b>	Consistency in Quality.	Normally Quality is not Uniform.
<b>Durability</b>	Fly Ash, Lime, Cement and binders are inert material makes it solid and long lasting.	Soil contains many inorganic impurities like sulphate and more results in efflorescence.
<b>Availability</b>	All Seasons.	It required to store in monsoon.

(Note: Above comparison is an indicative purpose only it may vary, customers are requested to conduct separate test before use.)

### FOR INQUIRY

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