



LIGNASTONE

NATURALLY BETTER

LIGNAGROUP are the manufacturers and distributors of Timbercrete™ and **LIGNASTONE** sustainable building materials.

LIGNASTONE is handcrafted by masonry artisans to create beautiful and timeless bricks, blocks and pavers reminiscent of natural stones like sandstone and travertine.

Uniquely sustainable, **LIGNASTONE** is made using the patented Timbercrete™ formula that comprises a blend of timber waste, sand and cement binders to produce a distinctive product with many benefits over traditional clay or concrete bricks and blocks.



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MADE FROM TIMBER WASTE



GENUINELY SUSTAINABLE

- Low embodied energy – **LIGNASTONE** blocks are manufactured using less energy as they are handcrafted and naturally cured.
- Superior thermal insulation – Over double clay or concrete equivalents, with predicted total wall R values of over R4 for specified brick veneer and double brick with cavity walling systems.
- High level of post-industrial waste – Comprises typically 50%-70% timber waste.
- Operates as a carbon sink – The timber waste permanently locks up carbon dioxide for the life of the product.
- Reduces energy costs – Higher thermal insulation reduces the need for heating and cooling.



BEAUTIFUL AND TIMELESS FINISH

- Natural finish similar to sandstone or travertine.
- No painting or rendering required.



HIGH PERFORMANCE

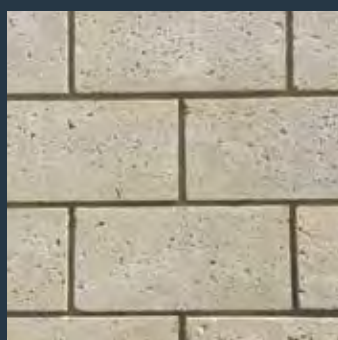
- Lightweight – Around half the weight of clay or concrete.
- Highly fire resistant – Blocks at 190mm wide have an FRL of 240/240/240.
- Load bearing – Suitable for load bearing applications for single leaf, double brick or retaining wall construction.
- Robust and highly durable – Long lasting with less breakages and better able to absorb impacts. Does not shatter when shot with a 50 calibre projectile.
- Impervious to termites and rot.



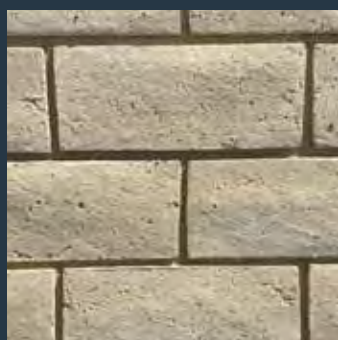
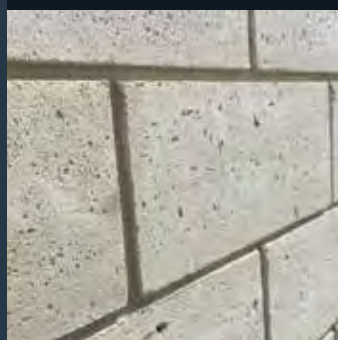
HIGH WORKABILITY

- Versatility to vary strength, thermal qualities or textures.
- Saw, nail or screw like timber.
- Render, bag or paint for alternate finishes.

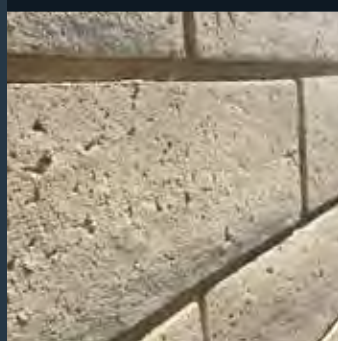
BETTER FOR THE ENVIRONMENT



SANDSTONE



COBBLESTONE



STYLES, COLOURS AND SIZES

LIGNASTONE is available in either sandstone or cobblestone finishes. Sandstone blocks provide a more contemporary look combining a textured finish with greater dimensional precision. The cobblestone effect produces a rustic and irregular finish that may range from subtle to a pronounced bellying on all sides, with notable variations in height and length.

The natural colour of **LIGNASTONE** is sandstone, with other colours achievable through the use of different sands and oxides.

Standard module sizes including mortar joints are 360mm, 400mm or 600mm long, 175mm high with varying thickness from 100mm to 190mm. Speciality products include half, corner and sill blocks.

Bespoke textures, colours and sizes are also possible to meet individual requirements.

MODULE SIZES

STYLE	LENGTH mm (actual)	HEIGHT mm (actual)	WIDTH mm	MORTAR JOINT m2
SANDSTONE	360 (348)	175 (163)	100 / 150 / 190	12
	400 (388)	175 (163)	100 / 150 / 190	12
	600 (588)	175 (163)	100 / 150 / 190	12
COBBLESTONE	360 (345)	175 (160)	100-110 / 150-160 / 190-200	15
	400 (385)	175 (160)	100-110 / 150-160 / 190-200	15
	600 (585)	175 (160)	100-110 / 150-160 / 190-200	15

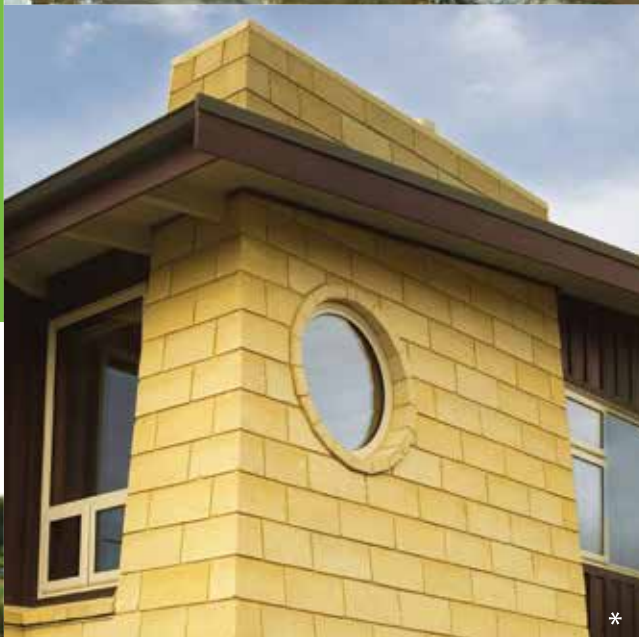
SUITABLE FOR

LIGNASTONE may be used for feature cladding, brick veneer, double brick, single leaf and retaining wall systems.

OTHER PRODUCTS

Garden products, pavers, panels, platform slabs for air-conditioning, water heater and pool filter units.

Experience the Difference!



LIGNAGROUP

SUSTAINABLE BUILDING SOLUTIONS

*Courtesy of Ebode Truly Sustainable Homes NZ **Courtesy of ADarchitecture NZ ***Courtesy of The Chocolate Lily Sustainable Stays

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Disclaimer - Due to using natural materials and a wet cast manufacturing process, LIGNASTONE products may have variations in size, colour and texture