



Roman Products Ltd.
The Granary, Malt Kiln Farm
Low Road, Pentney,
Norfolk, PE32 1JF
Tel: **01760 337994**
Email: **info@jo-blox.com**



JÖ BLOX TECHNICAL DATA SHEET

1. Introduction

JÖ BLOX is a zero carbon breathable building solution with no thermal bridges and can be erected quickly with no on-site waste. Construction is simple, cost effective and has excellent environmental credentials. JÖ BLOX provides a carbon neutral complete wall construction system which is vapour open and able to manage moisture levels and create healthy living environments.

Additional benefits to users and developers are fast, dry, on-site construction and reducing the need for skilled trades. Simplifying construction and providing healthy homes with outstanding environmental credentials enables developers and homebuilders to meet and exceed government targets.

2. Details

- Zero carbon, Zero waste instant building blocks
- Rapid build system with either pre-finished faces, or can be finished in any way desired inside and out
- Robust and simple building solution anyone even with no building experience can assemble
- Can be used for any low-rise building purpose
- Excellent thermal, acoustic and fire resistance, with no thermal bridging the overall 200mm wall width exceeding building regulations compliance
- Blocks are an easily manageable 600mm x 300mm x 200mm and around 5kg
- An incredible 142kN of compressive strength compared to a typical structural 7kN block
- The assembly uses interlocking timber inserts and a foam joint for airtightness but based on historic building principles are vapour open providing healthy indoor air quality
- UK Manufacture in our zero waste facility in Norfolk.
- Two men can complete an external structure on an existing slab, compacted level base or movable chassis in just a few hours.

Typical applications:

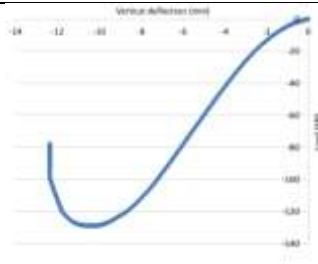
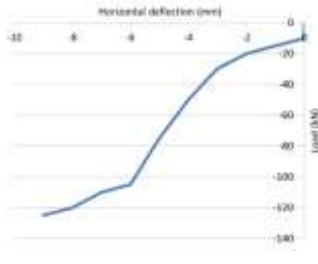
- Temporary and crisis/shelter housing
- Outbuildings and garden buildings
- Protective structures
- Low-medium rise home, office and retail construction.
- Loft and dormer applications
- Holiday lodges and transportable accommodation

3. Technical information – Standard block

Test centre: Sheffield Hallam University; Dr Vincenzo Starinieri/Dr Fin O'Flaherty

Size: 600mm long x 300mm high x 200mm thick

Weight: Approx. 5kg

Test	Standard	Results	Notes
Compressive Strength	Customised BS EN 789:2004 indicative	142kN	No cracks identified in the timber studs.
Vertical Deflection			900mm panel tested. No cracks identified in the timber studs.
Horizontal Deflection			900mm panel tested. No cracks identified in the timber studs. Horizontal deflection measured at the joint between the first and second block from the bottom.
Thermal Conductivity	BS EN 12664:2001	0.0337 W/mK	
Water Vapour Permeability	BS EN 1015-19:1999	1.79E-11(kg·m ⁻¹ ·s ⁻¹ ·Pa ⁻¹)	DIN-EN ISO 7783-2
Vapour diffusion μ	BS EN 1015-19:1999	μ 10.79	
S _d Water Vapour Diffusion-Equivalent Air Layer Thickness	EN ISO 12572:2001.	S _d 0.2	
Fire testing	BS EN 13501-1:2007+A1:2009 BS EN ISO 1182 BS EN ISO 1716	MagPly block: 120 minutes OSB block: 30 minutes Ply faced block: Awaiting results	D rated surface finish for pre-finished blocks awaiting results



Safety Phrases:

S1/2 Keep out of reach of children

S36 Wear suitable protective clothing

R22 – Harmful if swallowed.

Risk Phrases:

S 22 – Do not breathe dust

S 41 – In case of fire and/or explosion do not breathe fumes

S 43 – In case of fire use appropriate respiratory equipment

S 59 – Refer to manufacturer/supplier for information on recovery/recycling

S 36/37 – Wear suitable protective clothing and gloves.

This information is given to the best of our knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This document does not dispense the user from knowing and applying all rules and practices related to his activity and must not be considered exhaustive. It does not exonerate the user from other obligations to be respected, supplementary or prescribed, outside the content of this document for which he remains solely responsible.

**Roman Construction Products Ltd, Malt Kiln Farm, Low Road, Pentney, King's Lynn, Norfolk PE32 1JF; T: 01760 337994;
www.jo-blox.com**