

Thermalite Hi-Strength 10 has been specifically developed to meet the requirements of the architect, structural engineer and builder confronted with situations where loading conditions require 10N/mm².

Product specification

Weight at equilibrium moisture content (440x215x100mm)	7.5kg
Nominal dry density	770kg/m ³
Compressive strength	8.4N/mm ²
Thermal conductivity ()	0.20W/mK
<ul style="list-style-type: none">• Drying shrinkage complies with BS 6073 : Part 1 : 1981• BBA Certification is currently in progress	



Technical Advice

Further technical information is available from the Thermalite Technical Advisory Service on the numbers listed below or alternatively email: thermalite-tas@mbm-marley.co.uk

Availability

Hi-Strength 10 blocks are available in a range of thicknesses as a special order item only. Please consult Customer Services on the numbers below for full order details.

Building a sustainable future

The use of Thermalite products can significantly reduce energy consumption and environmental damage, compared to other building materials. We are proud to be the first aircrete block manufacturer to be awarded the coveted environmental manufacturing standard, BS EN ISO 14001: 1996.

Structural Performance

Manufactured to a 'special category manufacturing control' as described in BS5628: Part1: 1992 to a compressive strength not less than 8.4N/mm², Hi-Strength 10 can be shown by design calculation to have an equivalent strength to 10.0N/mm² concrete blocks manufactured under 'normal category' conditions. Hi-Strength 10 can, therefore, be used to meet the structural performance criteria for most three or four storey buildings, where the loading conditions require the use of 10.0N/mm² block masonry.

Properties

Hi-Strength 10 blocks are manufactured to the same high standards as other products in the Thermalite range. Consequently, they offer superior resistance to moisture penetration and the effects of frost, as well as possessing excellent fire protection.

High Insulation

The excellent thermal properties of Hi-Strength 10 can help meet Building Regulation requirements and reduce the need for additional insulation materials.

Lightweight

The light weight of Thermalite means that Hi-Strength 10 can be supplied in a weight less than 20kg (at equilibrium moisture content). This enables designers and builders to comply with CDM Regulations, which require that consideration be given to health and safety issues on site when repetitively handling blocks.

Workable

Hi-Strength 10 blocks are easily worked with ordinary hand tools with the minimum of effort.

Customer Services:

Tel: 08705 626500

Fax: 08705 626550

Email: thermalitesales@mbm-marley.co.uk

www.thermalite.co.uk/histrength10