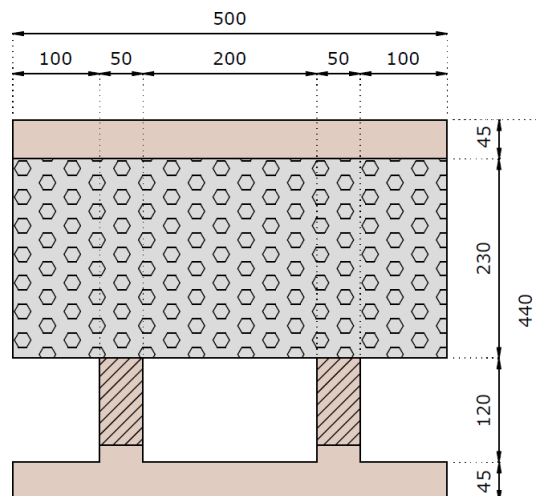
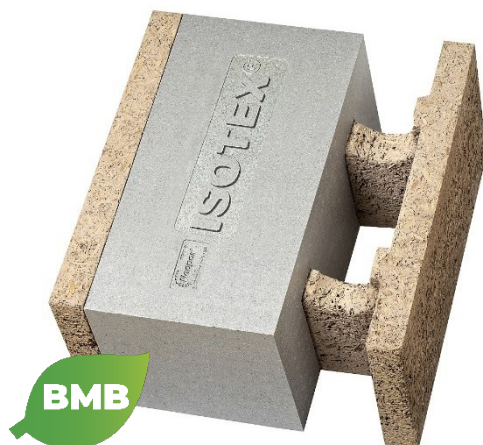


Block Wooden cement formwork HDIII 44/23 with graphite insert Neopor® BMBcert™ from BASF

SISTEMA COSTRUTTIVO
ISOTEX®
Blocchi e Solai in Legno Cemento



HDIII 44/23 Graphite Block Specifications

Indicative permissible flow rate (t/m) $R_{cK} \cdot 30 \text{ N/mm}^2$ interp. $h = 3.00 \text{ m}$	28
Thermal transmittance U of the plastered wall including W/m^2K wall limits. 3D Method *	-
Thermal transmittance U of the plastered wall including W/m^2K wall limits. 2D Method **	0,11
Periodic thermal transmittance $Y_{IE} [W/m^2K]$	0,010
Sound insulation (dB) **	53
Concrete requirement l/m^2	104
Weight of the blocks Kg/m^2	95
Weight of the single block (without concrete) Kg	11,8
Weight of the unplastered concrete wall Kg/m^2	345
Concrete thickness (cm)	12
Block wall thickness (cm)	4,5
Block size (cm)	50x25x44
Fire resistance Class REI	120
BASF Neopor® BMBcert™ graphite thickness (cm)	23

* The calculation of thermal transmittance was performed according to the criteria of the UNI 10355 standard and the UNI EN ISO 6946 standard, using a three-dimensional finite element calculation program validated according to EN 10211/1 and on the basis of thermal conductivity data obtained from experimental tests.

** Indicative two-dimensional calculation according to UNI-TS 13788, UNI 10355 and UNI 10351 standards.

Note: Test certificates can be requested from ISOTEX or consulted on the www.blocchiisotex.com WEBSITE .

These are on-site tests whose data have been processed according to the indications provided in the UNI EN ISO 140 technical standards and UNI EN ISO 717 series standards.

Tests carried out in the laboratory with the UNI EN ISO 140-3:2006 and UNI EN ISO 717-1:2007 standards.

Tests carried out in the laboratory with the UNI EN ISO 10140-2:2010 and UNI EN ISO 717-1:2007 standards. With reference to the type of material purchased, the company will provide CE declaration of performance (DOP).