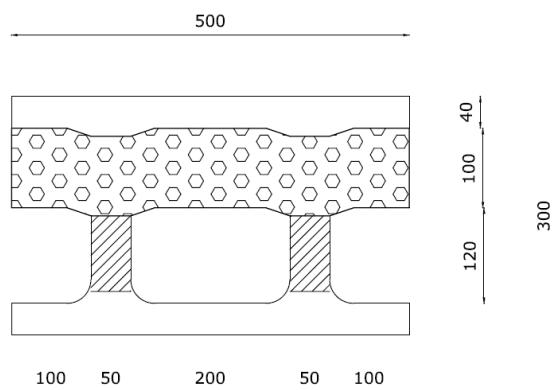


# ISOTEX®

WOOD-CEMENT BLOCKS AND FLOOR SLABS

## Block HDIII 30/10 Graphite



Isotex® block characteristics - HDIII 30/7 Graphite	
Approximate permissible capacity $R'_{cK} \cdot 30 \text{ N/mm}^2$ interp. $h = 3,00 \text{ m}$	28
Thermal transmittance $U$ of the plastered wall including boundaries $\text{W/m}^2\text{K}$ of wall. 2D Method**	0,24
Periodic thermal transmittance $YIE$ [ $\text{W/m}^2\text{K}$ ]	0,02
Concrete volume requirement $\text{l/m}^2$	104
Weight of blocks $\text{Kg/m}^2$ (+/- 10%)	80
Weight of the wall filled with concrete and not plastered $\text{Kg/m}^2$	330
Block wall thickness (cm)	4
Concrete thickness (cm)	12
Polystyrene, graphite, cork thickness (cm)	10
Size Block (cm)	50x25x30

\* The calculation of thermal transmittance has been performed according to the criteria of standards UNI 10355 and UNI EN ISO 6946, using a three-dimensional finite element calculation application validated according to EN 10211/1 and on the basis of thermal conductivity data obtained from experimental evidence (see website [www.blocchiisotex.com](http://www.blocchiisotex.com)).

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

\*\*\*Note: the test certificates can be requested from ISOTEX or consulted on the website [www.blocchiisotex.com](http://www.blocchiisotex.com). The tests were field tests in which the data was elaborated according to the indications provided by technical standards UNI EN ISO 140 and UNI EN ISO 717.

\*\*\*\*Tests performed in the laboratory according to standards UNI EN ISO 140-3:2006 and UNI EN ISO 717-1:2007.

\*\*\*\*\*Tests performed in the laboratory according to standards UNI EN ISO 10140-2:2010 and UNI EN ISO 717-1:2007.

**In reference to the type of material purchased, the company will provide the declaration of performance EC (DOP).**