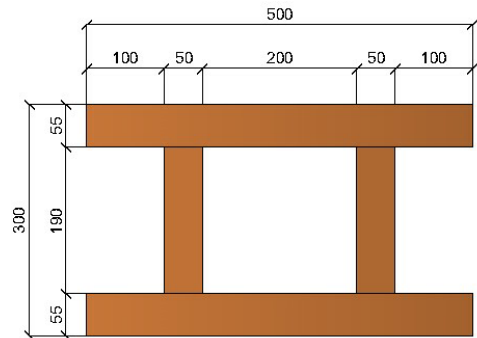


Reference : IB H 30/19

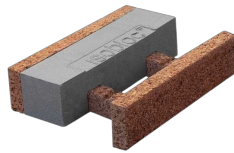
The Isobloc or Fixolite block is a formwork block 50 cm wide, 25 cm high and whose depth varies according to needs. The block is made of wood cement and, optionally, fire-retardant expanded polystyrene insulation (density 40 gr/m³).

ISOBLOC H Base : block without insulation with 15 cm of concrete or more

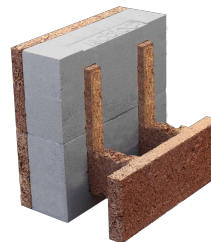
| | |
|--|-------------------------|
| Type | ISOBLOC H Base |
| Total thickness | 30.0 cm |
| Interior side thickness (1) | 5.5 cm |
| Exterior side thickness (1) | 5.5 cm |
| Insulation thickness (2) | 0.0 cm |
| Concrete thickness (3) | 19 cm |
| Concrete volume per m ² (3) | 169 l/m ² |
| Concrete pillar section | 380 cm ² |
| Concrete pillar section per linear meter | 1520 cm ² /m |
| Equivalent concrete wall thickness | 15.2 cm |
| Concrete beams section | 209 cm ² |
| Concrete beam section per meter height | 836 cm ² /m |
| Finished wall weight without coating | 5.27 kN/m ² |
| Finished wall weight with coating | 5.69 kN/m ² |
| R coefficient dry without coating (4) | 1.28 m ² K/W |
| U coefficient dry with coating (5) | 0.68 W/m ² K |
| R coefficient without coating (6) | 1.14 m ² K/W |
| U coefficient with coating (7) | 0.75 W/m ² K |
| Thermal offset (8) | - h |
| Sound insulation (9) | 54 dB |
| REI with coating (10) | 180 |

**Special blocs**

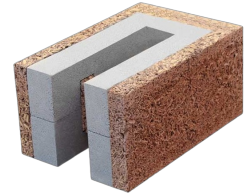
Slope block



Raising block



Edge block



Border Block

1. Net dry density = (500±50) Kg/m³
2. Sintered expanded polystyrene with additive graphite. Density = 0.15 KN/m³; λ = 0.031 W/m.K
3. Density of concrete 25 KN/ m²; λ dry = 1.72 W/m.K; λ = 1.91 W/m.K with a humidity level in equilibrium with the air at 23° C and 50% RH (ref. UNI EN 1745 and UNI EN 12524).
4. Dry thermal resistance without coating and without limitation of thermal resistance. Evaluation according to the theoretical method UNI EN 1745:2012. Three-dimensional method.
5. Dry thermal transmission, with a 2 cm lime and sand coating on the outside, a 2 cm lime and sand coating on the inside, with limited thermal resistance, in dry conditions. Evaluation according to the UNI EN 1745:2012 theoretical method. Three-dimensional method.
6. Thermal resistance, without plaster, without limitation of thermal resistance and with a humidity level in equilibrium with the air at 23° C and 50% RH. Evaluation according to the theoretical method UNI EN1745:2012. Three-dimensional method.
7. Thermal transmission, with a 2 cm lime and sand coating on the outside, a 2 cm lime and sand coating on the inside, with a limiting thermal resistance and a humidity level in balance with air at 23°C and 50% relative humidity. Evaluation according to the UNI EN 1745:2012 theoretical method. Three-dimensional method.
8. Ref. UNI - EN ISO 10456 standard for a period of 24 hours
9. Certified value of theoretical calculation UNI EN 12354-1:2002
10. Ref. standard UNI 1365-1. REI: Resistance: ability to maintain structural stability; Watertightness: ability to prevent the spread of fire and smoke through; Insulation: ability to thermally insulate adjacent areas and prevent the spread of heat

**English version:**https://fixolite.eu/doc/IB_H_30_19.en.pdf**Version française:**https://fixolite.eu/doc/IB_H_30_19.fr.pdf