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**PRODUCT FORM B-HI 50/12+34** 

## **FIXOLITE HIGH INSULATION (HI block)**

Reference: B-HI 50/12+34

Fixolite block, made in Belgium.

Dimensions are 50 cm wide, 25 cm high (1m<sup>2</sup> = 8 blocks)

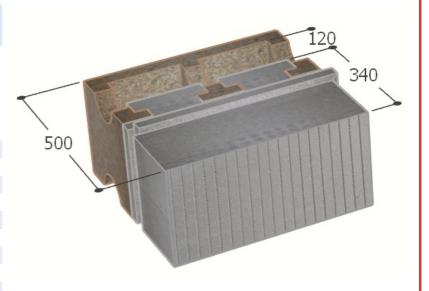
and depth varies according to requirements.

The block is made of wood-cement with external

insulation in fire-retardant expanded polystyrene (density 40 gr/m³) from 17 to 34 cm.

The block has no thermal bridges.

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Total thickness	50.0 cm
Insulation thickness	34.0 cm
Concrete thickness	12.0 cm
Interior side thickness	4.0 cm
Exterior side thickness	4.0 cm
Concrete volume	95.0 l/m <sup>2</sup>
Density	± 510 kg/m³
Weight	70.96 kg/m <sup>2</sup>
Thermal insulation $\boldsymbol{\lambda}$	0.10 W/m <sup>2</sup> K
R coefficient	11.11 m <sup>2</sup> K/W
U coefficient	0.09 W/m <sup>2</sup> K
Sound absorption a	> 90% (100→5000Hz)
Sound insulation	50 dB
Reaction to fire	Non-flammable (M1)
Fire resistance	> 6h (ISO 834)
Rot-proof	✓
Flexural strength	± 200 DaN



## Fixolite high-insulation block range

Fixolite offers 5 sizes of High Insulation blocks with insulation ranging from 17 to 34 cm. A graphite polystyrene corner block is available for each size.

HI 35/12+19

HI 38/12+20



















#### **Notes**

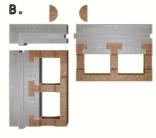
Corner block reference:

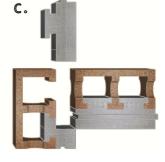
- **B-HI 50.AL** (left)
- **B-HI 50.AR** (right)

On-site cutouts:

- A. for narrow block
- B. for external angle
- C. for internal angle









# English version:

https://fixolite.eu/doc/B\_HI\_50\_12\_34.en.pdf



## Version française :

https://fixolite.eu/doc/B\_HI\_50\_12\_34.fr.pdf

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