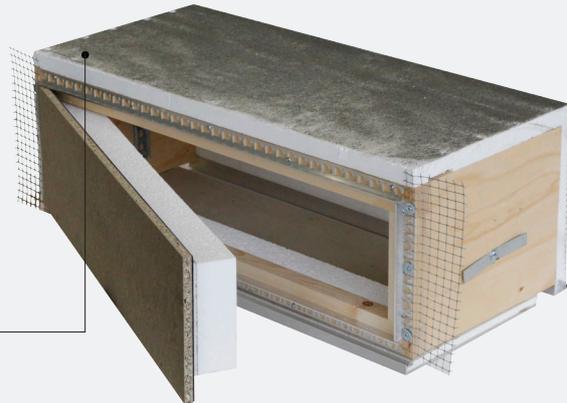


# FRONTAL INSPECTION

certifying prefabricated shutter box with frontal inspection

## TECHNICAL DOCUMENT ISSUE

Certifying prefabricated shutter box made of expanded synthesized self-extinguishing polystyrene EPS200 (EN13163), class E of fire reaction, white coloured, with density of 30 kg/m<sup>3</sup>. On the internal side there is wood frame with flush in the mortar edges applied for the frontal panel to be inserted. The frontal panel is a chipboard joint with one minerals enriched elastomeric blend, plasterboard and potential PSE. It can be provided with standar cover or with a fixed bottom close made with fibrocement-PSE-fibrocement joint panels. The frontal inspection box allows to access to the internal side of the box through the flush in the wall removable panel. The frontal open is a simple, safe and comfortable access to the shutter box from inside of the building. This solution is particularly advised with lift-sliding windows with fixed doors and thick of the frame that block maintenance through the cover.

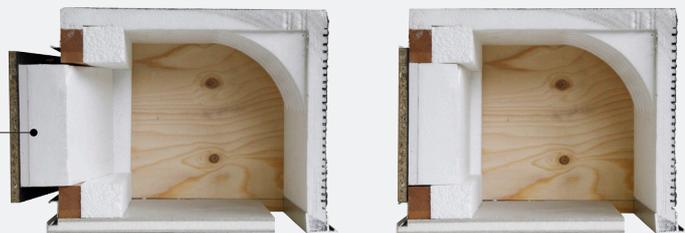


### EXPANDED SYNTHESIZED POLYSTYRENE bars

- ◇ self-extinguishing
- ◇ thermal conductivity coefficient: 0,033 W/mK
- ◇ compression resistance at 10% of crushing pressure: CS(10) ≥ 200 kPa
- ◇ water absorption nearly absent: 3% of volume change after 1 year of immersion
- ◇ constant everlasting technical properties

### removable panel

- ◇ flush in the wall frontal inspection
- ◇ high thermal insulation



Models - Raw wall thickness	Finished wall thickness	Internal box side thickness PSE+acoustic board	Internal box side thermal resistance	Pre-daubed with cement box internal side thermal transmittance*
<b>CLASS 30 IF</b>	until 33,2 cm	3,00+3,75 cm	1,090 m <sup>2</sup> K/W	0,787 W/m <sup>2</sup> K
<b>CLASS 36 IF</b>	until 38,6 cm	2,75+3,75 cm	1,014 m <sup>2</sup> K/W	0,836 W/m <sup>2</sup> K

\* Values in the table consider an internal adduction of 0,125 m<sup>2</sup>K/W, an external adduction of 0,04 m<sup>2</sup>K/W and the presence of internal room daub of 15 mm thick and λ of 0,9 W/mK.

NORMALIZED ACOUSTIC INSULATION: **D 2m,nT,w = 43 dB**  
(Test report of 29/09/2009 firm lab)