

## Reference : C-31S30 8-8E+F

The Fixolite box is a 6 m long prefabricated lintel box designed to receive a closure (roller shutter, BSO, etc.). The box consists of an inverted U-shaped, fire-retardant expanded polystyrene (30 kg/m<sup>3</sup> density) shell reinforced with steel mesh. The side walls are fitted with aluminum rails.

**High Insulation model box.** This high insulation box is today the most efficient lintel box and is particularly suited to the thermal requirements of the market.

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Type                 | 31S30                                             |
| Outer rail ref.      | 827                                               |
| Inner rail ref.      | 8E                                                |
| Color                | Blue polystyrene                                  |
| Compatible cheek     | J-30                                              |
| Certification        | <a href="#">CSTB 16-11-634 (translated) [PDF]</a> |
| Thermal conductivity | U = 1.1 W/m <sup>2</sup> .K                       |
| Thermal resistance*  | R = 0.91 m <sup>2</sup> .K/W                      |

(\*) R: thermal resistance (m<sup>2</sup>.K/W) taking into account a  $\lambda$  coefficient of 0.0374 W/m.K after application of a safety coefficient of 1.15.

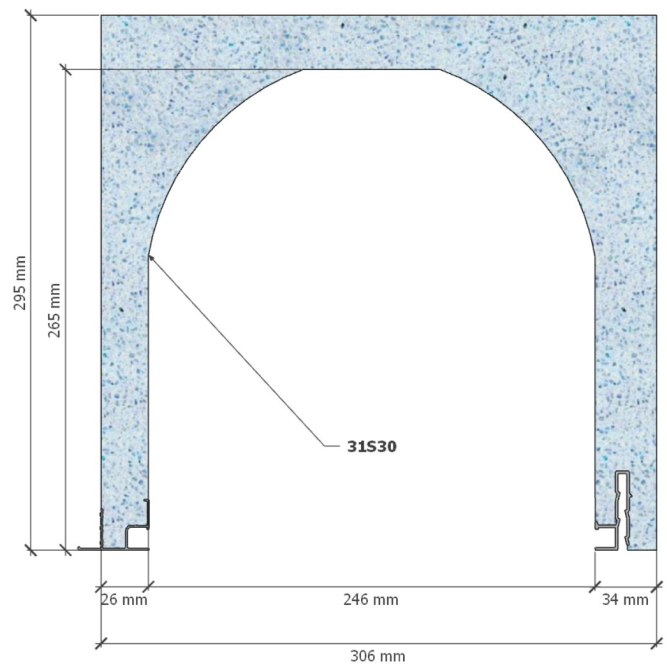
|                                   |                                    |
|-----------------------------------|------------------------------------|
| Weight                            | 3.5 kg/m                           |
| Reaction to fire                  | class E (EN ISO 11925-2/EN 13 501) |
| Air permeability                  | c*3 class                          |
| Acoustic perf. (Dn <sub>W</sub> ) | 55 dB                              |

## Box dimensions

|               |        |
|---------------|--------|
| Width         | 306 mm |
| Height        | 295 mm |
| Tunnel        | 246 mm |
| External side | 34 mm  |
| Internal side | 26 mm  |

## Components

|                           |                 |
|---------------------------|-----------------|
| Wood-cement fiber         | 1.19 kg/m       |
| Aluminium (recycl. 85%)   | 0.6 kg/m        |
| Steel (recycl. 96.5%)     | 0.76 kg/m       |
| Polystyrene (recycl. 10%) | 0.95 kg/m       |
| <b>Total</b>              | <b>3.5 kg/m</b> |



Box shown: C-31S30 8-8R

**Corner option [PDF]:** the rails 8E allow the addition of the sealing and fixing corner with the joinery. These 40x30 mm notched corners are available in packs of 100 pieces or inserted in the box.

## Sides finishing

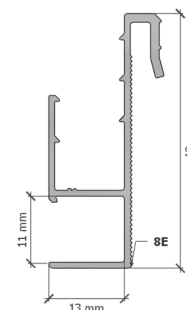
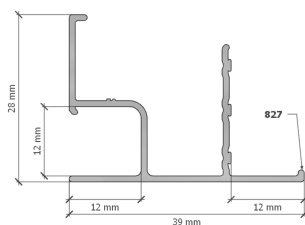
**External side**  
Wood-cement fiber



**Internal side**  
Ribbed polystyrene



## Rail diagram



English



Français



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