

## Reference : C-R28S29 8+E

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.

### Reinforced model box

Reinforced with 3 mm steel brackets every 1.20 m, intended for openings wider than 1.60 m.

Certified by a Technical Approval from CSTB.

Maximum length: 450 cm structural opening (474 cm overall).

Packaging: pack of 28 (or 24) boxes, 6 ml each.

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Type                 | R28S29                                            |
| Outer rail ref.      | 827                                               |
| Inner rail ref.      | 28FR                                              |
| Color                | Grey graphitized polystyrene                      |
| Compatible cheek     | J-28                                              |
| Certification        | <a href="#">CSTB 16-11-634 (translated) [PDF]</a> |
| Thermal conductivity | U = 0.82 W/m <sup>2</sup> .K                      |
| Thermal resistance*  | R = 1.22 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.

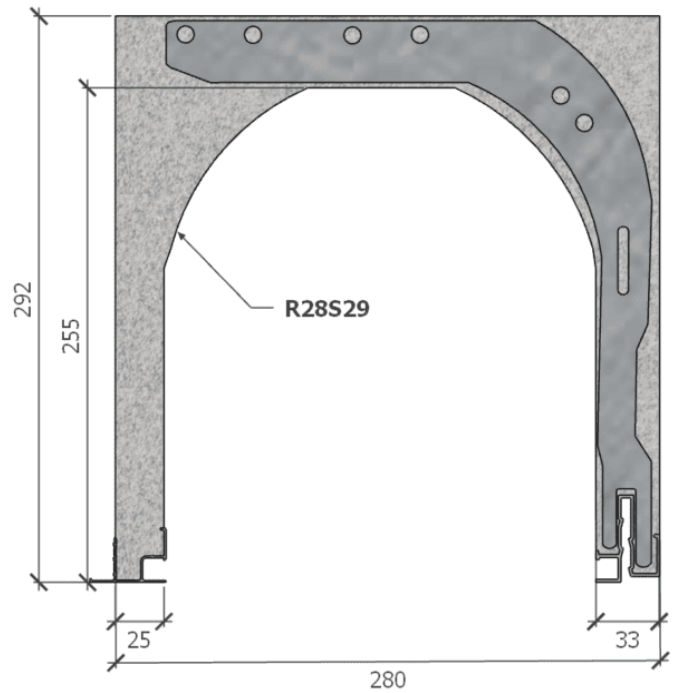
|                                   |                                    |
|-----------------------------------|------------------------------------|
| Weight                            | 3.16 kg/m                          |
| Reaction to fire                  | class E (EN ISO 11925-2/EN 13 501) |
| Air permeability                  | c*3 class                          |
| Acoustic perf. (Dn <sub>W</sub> ) | 55 dB                              |

### Box dimensions

|               |        |
|---------------|--------|
| Width         | 280 mm |
| Height        | 292 mm |
| Tunnel        | 222 mm |
| External side | 33 mm  |
| Internal side | 25 mm  |

### Components

|                           |                  |
|---------------------------|------------------|
| Bonding primer            | 0.4 kg/m         |
| Aluminium (recycl. 85%)   | 0.92 kg/m        |
| Steel (recycl. 96.5%)     | 1.02 kg/m        |
| Polystyrene (recycl. 10%) | 0.82 kg/m        |
| <b>Total</b>              | <b>3.16 kg/m</b> |



**Option brackets and ligatures [PDF]:** in accordance with the technical advice of the CSTB, the reinforced boxes will be ligatures to the chain and fixed to the upper crosspiece using brackets. Brackets and ligatures are available separately or integrated into the box during production.

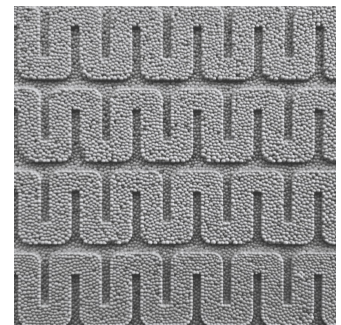
**Corner option [PDF]:** the rails 28FR allow the addition of the sealing and fixing corner with the joinery. These 40x30 mm notched corners are available in packs of 100 pieces or inserted in the box.

### Sides finishing

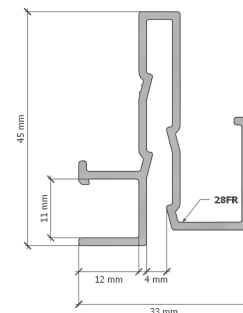
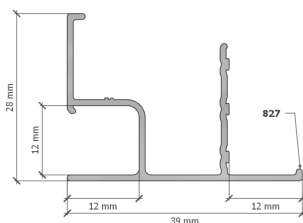
**External side**  
Bonding primer



**Internal side**  
Ribbed polystyrene



### Rail diagram



English



Français



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Check out our [installation instructions \[PDF\]](#) and [general documentation](#)