

TECBOR® Y FIREWALL STRIPS

Spanish Royal Decree 2267/2004 on Fire Safety Regulations for Industrial Premises (RSCIEI) came into force on 3rd January 2005. The purpose of the Regulations is to provide an appropriate degree of safety in the event of fire on industrial premises.

At the point where a partition wall between buildings or industrial warehouses meets the roof, a 1-metre thick horizontal strip has to be fitted, which must have a fire resistance rating at least half that of the rating required for the wall, in order to avoid fire propagating from one warehouse or shed to adjoining warehouses or sheds.

Tecbor® Y strips consist of a bearing structure made up of square support brackets. These are fixed to the building structure (partition wall) at 1 metre spacing. The square brackets are made of struts measuring 46 x 36 x 0.6 mm.

Once the square brackets have been fitted, horse-shoe clamps measuring 45 x 15 x 0.5 mm are screwed in using 3.5 mm plate screws. These clamps are spaced 450 mm from each other.

Tecbor® Joint paste is applied at the joint between panels.

Tecsel® adhesive is used to seal the joint between the strip and the building structure.

TECBOR® BOARDS

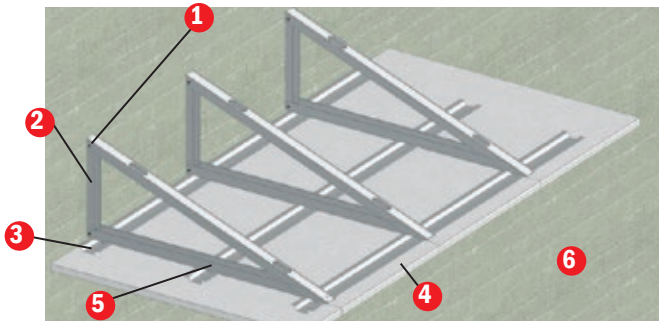
CONSTRUCTIVE SOLUTIONS

TECBOR® BOARDS

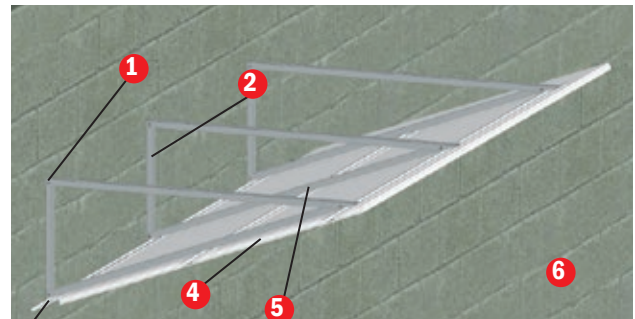
TECBOR® Y BOARD

TECBOR® Y FIREWALL STRIPS

EI 60



Horizontal strip installation system



Slope strip installation system

TYPES OF STRIPS

- Attached to the partition wall.
- Built directly into the roof, when the roof has at least the same fire resistance capability as the strip.
- As an **extension of the partition wall** or as a dividing wall running 1 metre above the roof.

TESTS

mercortecresa® solutions comply with the requirements of the RSCIEI, because by covering all slope angles, they adapt and can be applied to any construction arrangement in the building.

Standard: Fire-resistance test protocol for partition wall / roof joining strips

Laboratory: TECNALIA

Test No: 052251

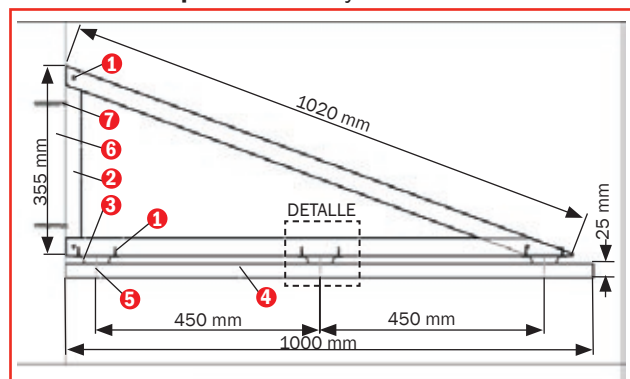
SOLUTION

- 1 Self-boring screw (3,5x25) mm.
- 2 Square bracket (46x36x0,6) mm.
- 3 Horse-shoe clamp (45x15x0,6) mm.
- 4 25 mm thick Tecbor® Y boards.
- 5 M4 countersunk screws (4x100 mm) Fischer VVR M4 with Hilti HV140 8,4/24 washer or similar.
- 6 Wall on which strip is fitted.
- 7 Wall plug and screw (10x100 mm), Hilti 50 x HRD – H 10 x 100.
- 8 Tecbor® joint paste.
- 9 Tecsel® adhesive.

DESCRIPTION OF ASSEMBLY

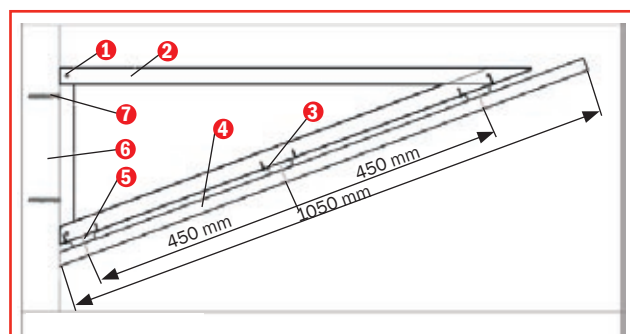
Slope angle on tested strip	Valid for actual installations
< 10°	0° a 25°
25°	15° a 45°
30°	20° a 50°

Horizontal strip installation system



With the horizontally-fitted strip, the base-plate runs perpendicular to the wall. The 0.6 m long side of the panel rests on the wall.

Slope strip installation system



With the slope strip, the base-plate runs longitudinally and the 1 metre long side rests on the wall.