

4. NON-STRUCTURAL ELEMENTS. WALLS.

Non-structural walls, which separate fire areas, should be fire resistant as stipulated in standard EN 1364-1.

When in fire resistance tests for non-structural elements one edge is left free (Part 1: Walls), the standard allows increasing the width.

With regard to increasing the height, the standard is clear and precise. When the test is run at least at 3 metres high, it may be increased up to 4 metres.

Very often, internal partitions are higher than 4 metres. **Mercor tecresa**® have been the first to develop large partitions and offers the most efficient and convenient solution for this type of works.

Besides, penetrations produced between different fire sectors must be sealed off; for example, in the case of services crossing. Check the **TECSEL**® **Sealing System** catalogue to find the most suitable solution.

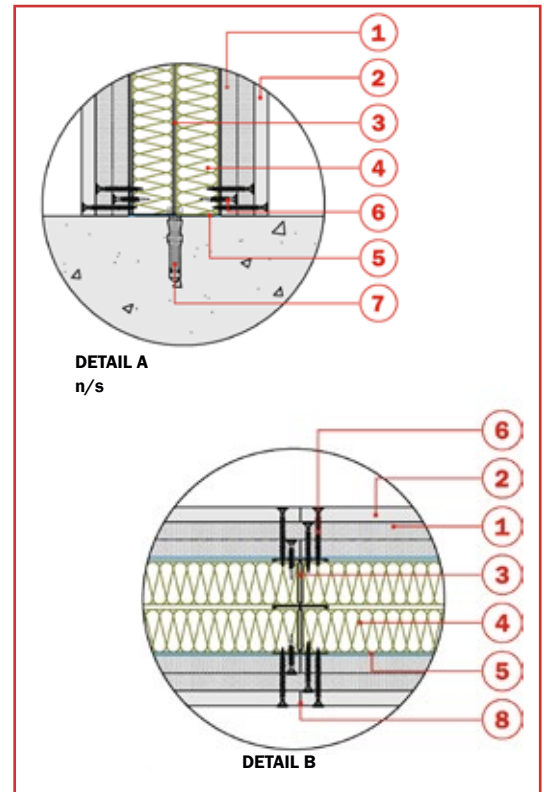
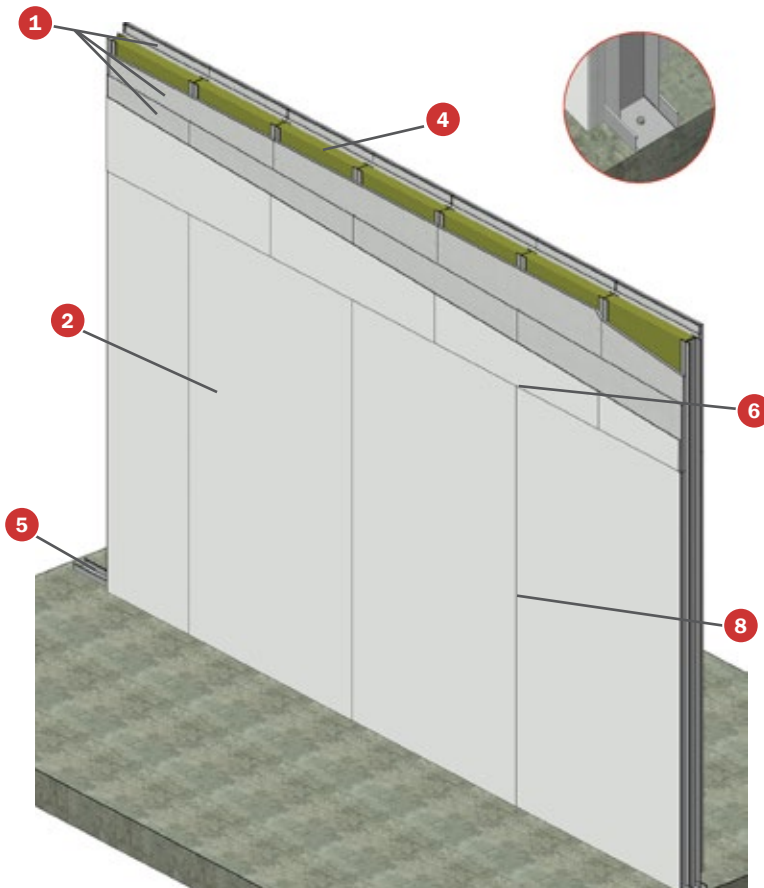
TECBOR® BOARDS

CONSTRUCTIVE SOLUTIONS

TECBOR® BOARDS

NON-STRUCTURAL ELEMENTS. WALLS.

TECBOR® EI-240 WALL



TEST

Standard: UNE EN 1364-1

Laboratory: TECNALIA

N° Test: 076765-001-1/2

SOLUTION

- 1 Tecbor® 15 mm boards.
- 2 12,5 m laminated plasterboard.
- 3 34,8x40x0,5 mm H-shaped double stud.
- 4 80 mm and 40 kg/m³ rock wool.
- 5 83x40x0,6 mm runner.
- 6 3,5x35,45 and 55 mm self-drilling screw (every 250 mm).
- 7 Punch-activated drop-in 6 mm anchor, every 600 mm.
- 8 Tecbor® Bonding Compound (on every joint and over the screw heads)

DESCRIPTION OF ASSEMBLY

Fix 83x40x0,6 mm runners and assembly the 34,8x40x0,6 mm studs every 600 mm. Place 80 mm (40+40) and 40 Kg/m³ rock wool panels between studs.

Then fix Tecbor® 15 mm boards to both sides with 3.5x35 mm self-tapping screws every 250 mm.

Finally, cover board joints and screw heads with Tecbor® joint paste or Tecbor® Bonding Compound.