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.

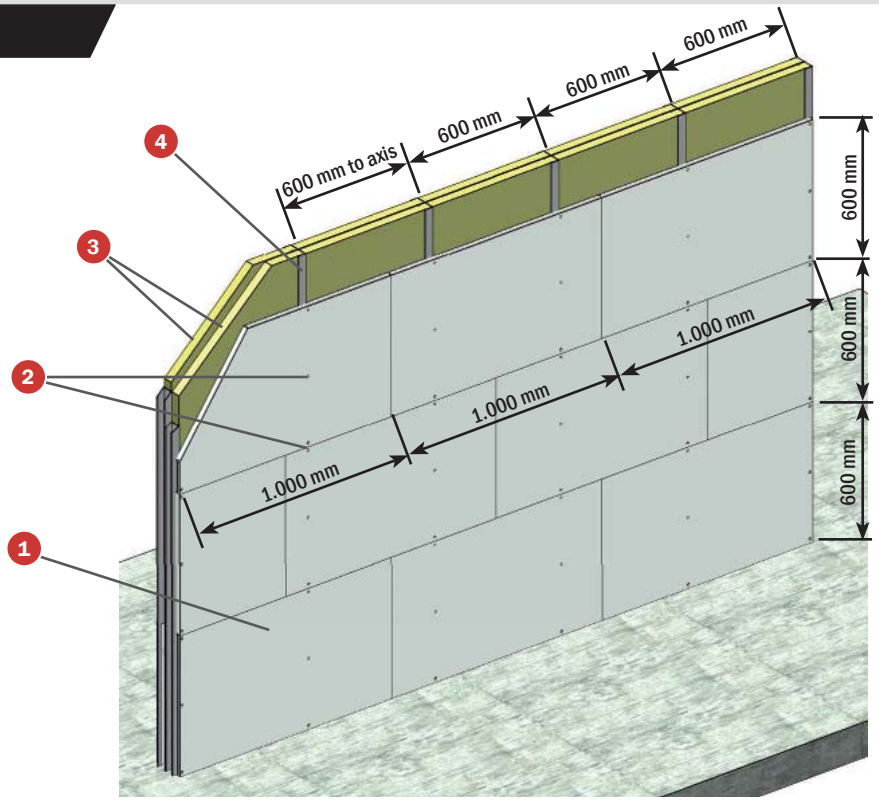
TECBOR® BOARDS

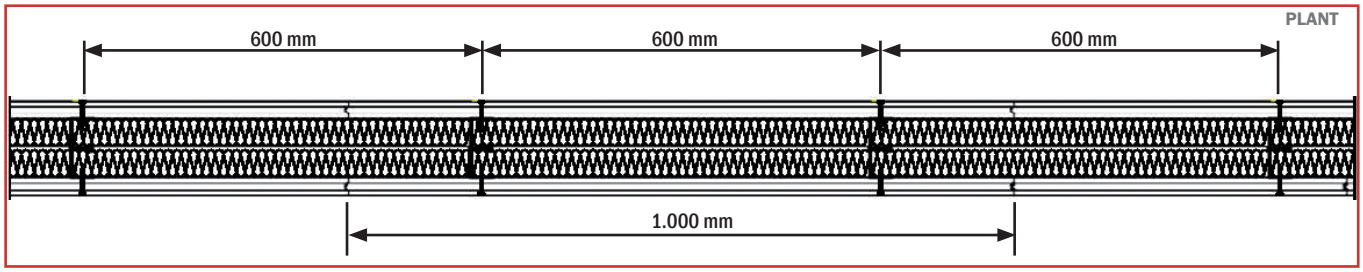
CONSTRUCTIVES
SOLUTIONS

mercor tecresa®

TECBOR® Y 25 mm WALL

EI 180





TESTS

Standard: UNE EN 1366-1

Laboratory: TECNALIA

Test No: 24237

SOLUTION

1. **Tecbor® Y** 25 mm Boards.
2. Self-tapping screwde 3,5x35 mm.
3. Mineral wool 40 mm and 40 kg/m^3.
4. Stud framing 46x36x0,6 mm.

DESCRIPTION OF ASSEMBLY

Fixing the 46x30x0,5 mm channels through M6 metallic dowel each 250-300 mm. Complete the double metallic structure with 46x36x0,5 mm stud framing separated 600 mm between axes.

Place the mineral wool boards between the stud framing.

Fix afterwards the two layers of **Tecbor® Y** 25 mm to both sides with 3,5x35 mm self-tapping screws each 200-250 mm.

Finally, cover the joints between boards and the screws head with **Tecbor® joint paste**.

Technical datasheet updated 18/07/17

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