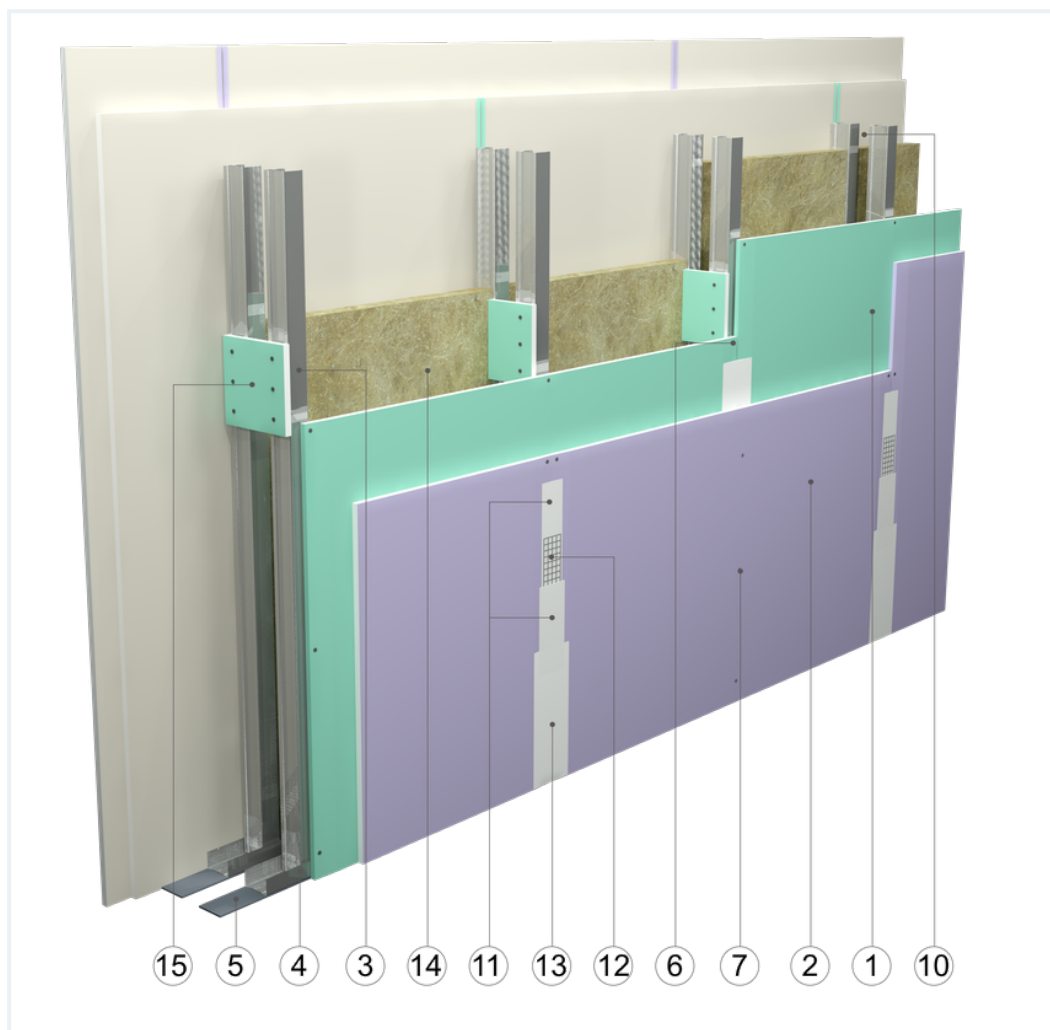


## SYSTEM DATASHEET

### Partition wall SDI - 2x12,5 GKBI H2 + DFH2IRE/2xCW 50 W





on a double structure made of CW 50 and UW 50 profiles, hybrid with double cladding of GKBI type H2 boards, thickness: 12.5 mm and DFH2IR with a thickness of 12.5 mm with mineral wool filling



## Partition wall components

1. Norgips S GKBI type H2 gypsum plasterboard , thickness: 12.5 mm
2. Norgips S Acoustic Super plasterboard type DFH2IRE with a thickness of 12.5 mm
3. Norgips CW 50 profiles, max. axial spacing every 60 cm
4. Norgips UW 50 profiles mounted on horizontal load-bearing elements
5. Norgips sealing tape, width 50 mm
6. Norgips 3.5 x 25 mm sheet metal screws, max. spacing every 75 cm
7. Norgips 3.5 x 35 mm sheet metal screws, max. spacing every 25 cm
8. Fastening pins, min.  $\varnothing$  6 x 40 mm, max. spacing every 80 cm
9. Openings in studs for installation wires
10. Space for routing installation wires
11. Norgips Start & Finish ready-made joint compound or Norgips Start gypsum joint compound
12. Norgips reinforcing tape
13. Ready-made joint compound Norgips Extra Finish, ready-made joint compound Norgips Start & Finish, gypsum joint compound Norgips Finish
14. Mineral wool
15. Plasterboards of min. height of 30 cm, mounted with six 3.5 x 25 mm sheet metal screws

## Technical data

 Fire resistance class EI 60 ( $h_{\max}=3.0$ m) <sup>1) 2)</sup>	 Max height 4.9 m <sup>1)</sup>
 Wall mass 44 kg/m <sup>2</sup> <sup>3)</sup>	 Acoustic insulation $R_W=60$ dB <sup>4)</sup> $R_{A1}=57$ dB <sup>4)</sup>

The above-mentioned parameters apply to a partition made of sheet metal profiles with a thickness of 0.55 mm and 0.6 mm or 0.55 mm

In special cases, 0.5 mm thick sheet metal profiles can be used, 0.5 mm provided that the spacing between CW profiles is decreased to 400 mm. The maximum height of such a wall must not exceed 4.0 m. The above fire resistance and sound insulation parameters do not apply to this type of partition. When reducing the spacing between profiles, the material consumption in the calculator should be adjusted.

- 1) The stated heights apply to constructions with a profile spacing of 600 mm. When a structure with profiles spaced every 300 or 400 mm is used, the permissible wall height increases. Contact system provider representatives for details. The stated heights apply to rooms where only a few persons are present simultaneously (e.g. rooms in flats, hotels, hospitals). In rooms where a large number of persons are present simultaneously (e.g. conference rooms, classrooms, lecture halls), the permissible height is 4.1 m.
- 2) Based on classification no. LBO-127-KZ/24 for 50 mm rock wool
- 3) The weight specified does not include the insulation material weight.
- 4) Based on report no. LZF00-02038/16/Z00NZF for 50 mm glass wool

## Standard

★★ RECOMMENDED

It provides higher building stability, fire resistance and sound insulation. The optimal solution.



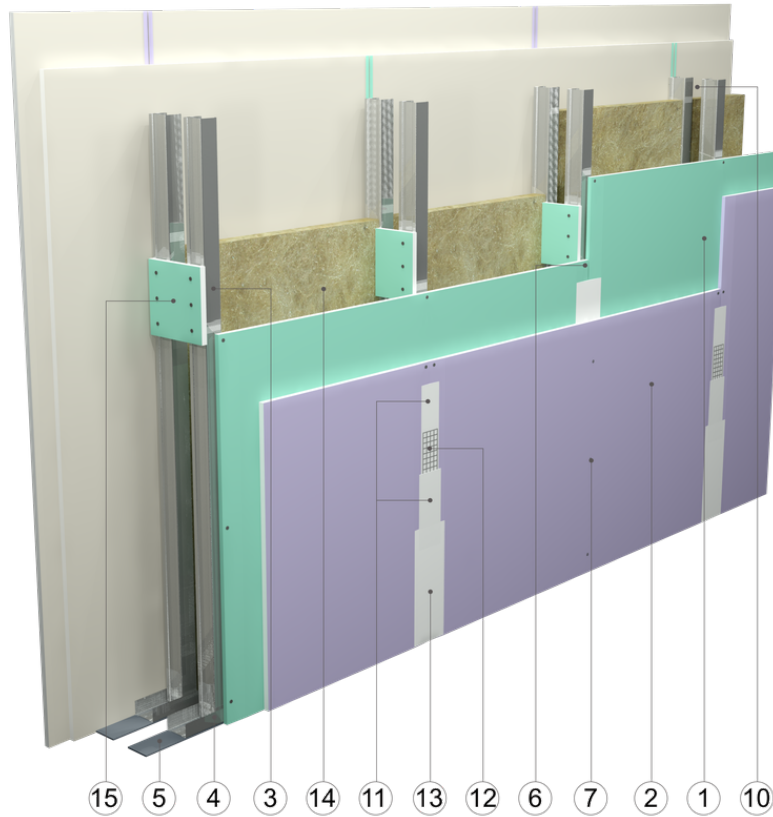


Fig. 1. Partition wall view

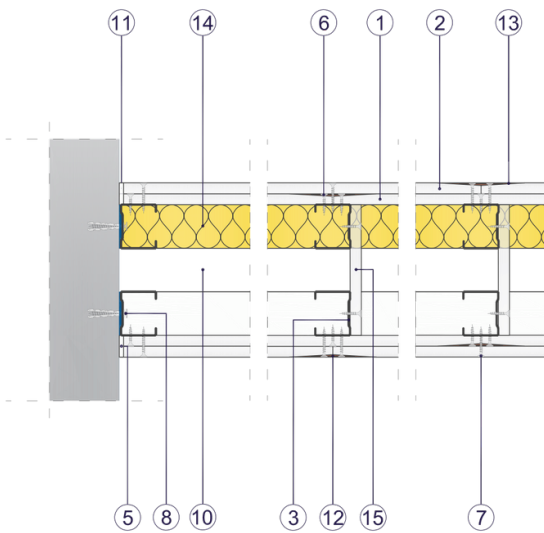


Fig. 2. Partition wall horizontal section

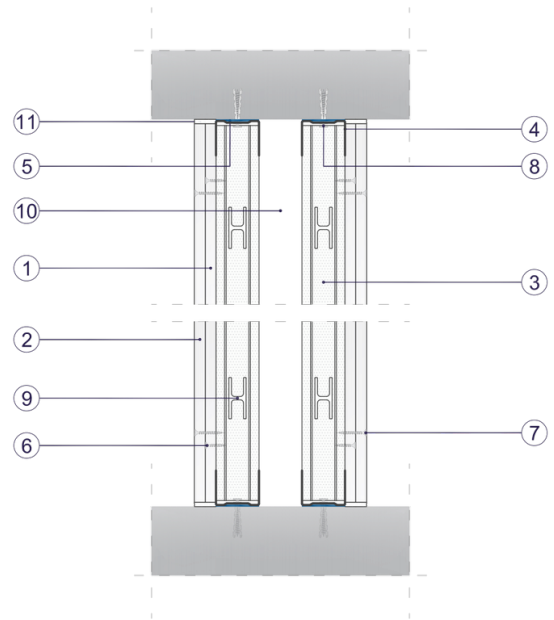


Fig. 3. Partition wall vertical section