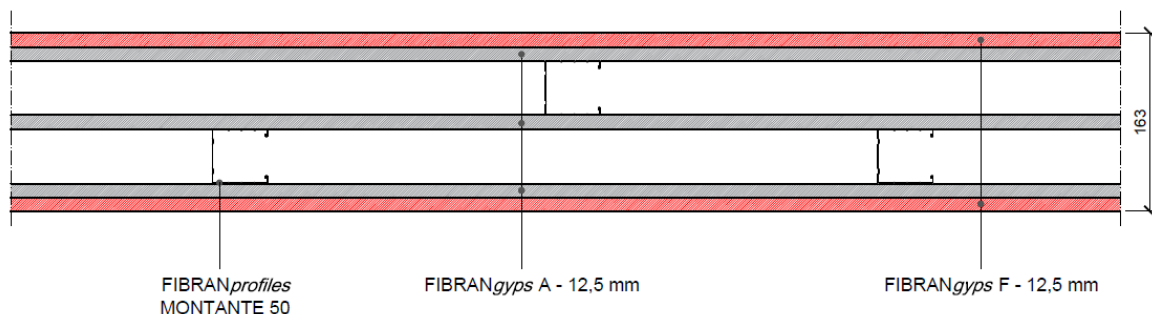


Partition FIBRAN FSW 159/5/48S

Partition drywall EI = 120 - thickness 163 mm



COMPONENTS

Plasterboards

1 layer of **FIBRANgypsum A** both side and 1 in cavity, thickness **12,5 mm**, CE marked– **type A** according to EN 520, classified **A+** according to EN ISO 16000-09, fire reaction **A2-s1, d0** according to EN 13501-1, weight 9,2 kg/m², water vapor resistance factor $\mu=10$, thermal conductivity $\lambda=0,25$ W/m K and specific heat $c_p=1,03$ kJ/kg K according to EN 10456

1 layer of **FIBRANgypsum F** both side, thickness **12,5 mm**, CE marked - **type F** according to EN 520, classified **A+** according to EN ISO 16000-09, fire reaction **A2-s1, d0** according to EN 13501-1, weight 9,8 kg/m², water vapor resistance factor $\mu=10$, thermal conductivity $\lambda=0,25$ W/m K and specific heat $c_p=1,03$ kJ/kg K according to EN 10456

Metal frame thickness 0,6 mm conform to EN 14195

Channels **FIBRANprofiles GUIDA 50** mechanically fixed to the floor and ceiling using fixing nails at a maximum spacing of 500 mm;

Studs (double) **FIBRANprofiles MONTANTE 50**, max axial spacing every 600 mm, slotted to allow passage of the installations

Screws

Self-drilling screws **FIBRANgypsum SCREW 3,5 x 25 and 3,5 x 35 mm** with resistance in salt spray test not less than 72 hours, fixed max 250 mm each

Adhesive tape and joint filler

Closed cell polyethylene foam adhesive tape **FIBRANgypsum** to be applied on the entire perimeter of the metal structure, to eliminate the possible acoustic bridges due to the transmission of noise through the building structures.

Treatment of the joints between plasterboards and head of screws with **FIBRANgypsum JF**, CE marked 3B according to EN 13963, and reinforcing tape **FIBRANgypsum TAPE** according to the level quality Q2 (Eurogypsum)

Partition FIBRAN FSW 159/5/48S

Technical features



Fire rating

Fire rating: **EI 120** (Classification Report LAPI 225/C/17-320FR according to EN 1364-1)

Max height: 4 m

Mechanical performance

FIBRANprofiles channels and studs DIN 50 mm, max axial spacing every 600 mm, thickness 6/10 mm conform to EN 14195.

Profiles must be designed according to local regulation and specific application.

In case of walls longer than 15 meters, an expansion joint must be made every 10 meters or at structural joints

Finishing

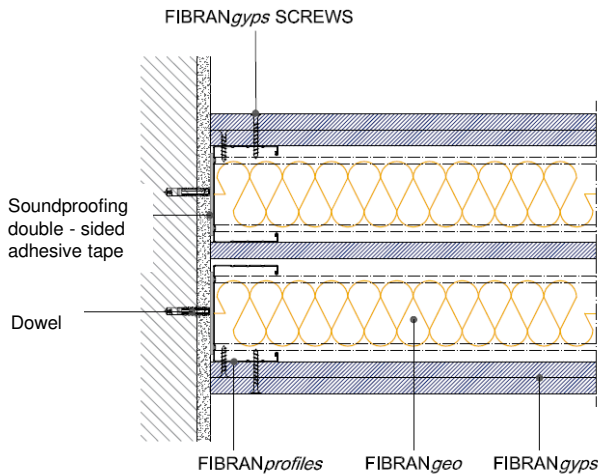
According to quality level required (Eurogypsum). Use FIBRANGYPS JF READY MIX for level Q4

Sustainability

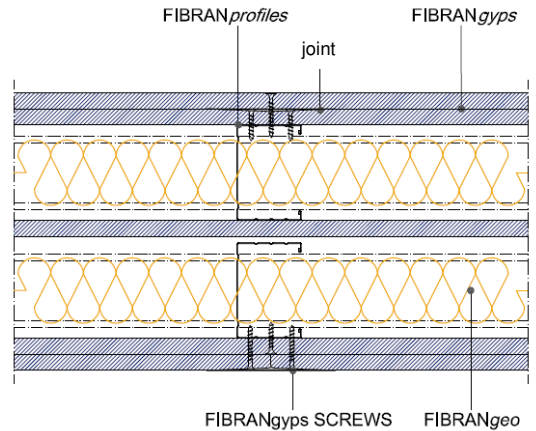
FIBRANGYPS plasterboards are classified A+, the best one according to EN ISO 16000-09, with regards to the emission of formaldehyde, acetaldehyde and other substances.

Partition FIBRAN FSW 159/5/48S

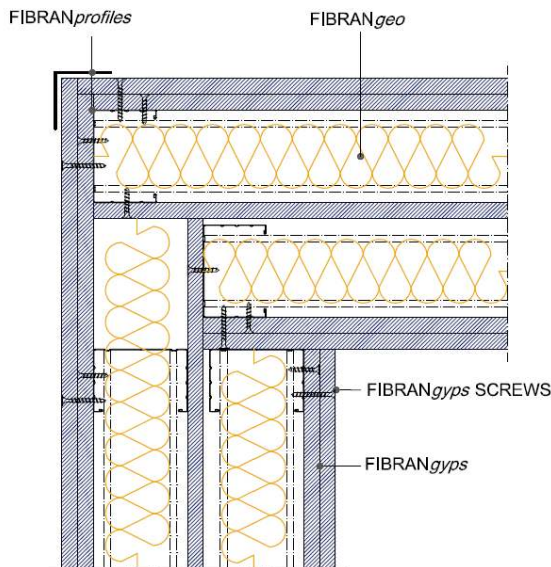
Construction details



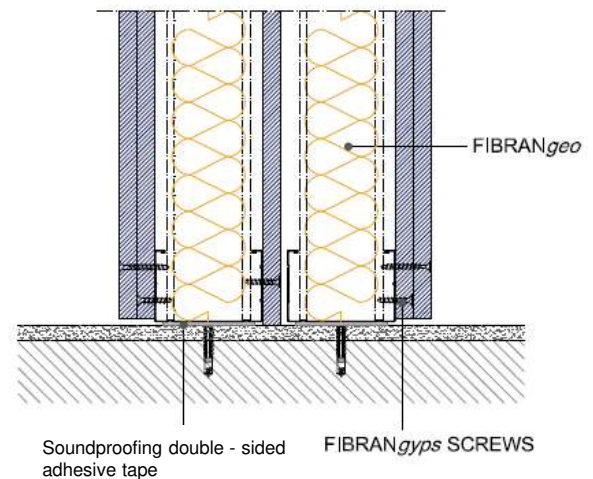
Detail. 1 **WALL CONNECTION**



Detail. 2 **JOINT**



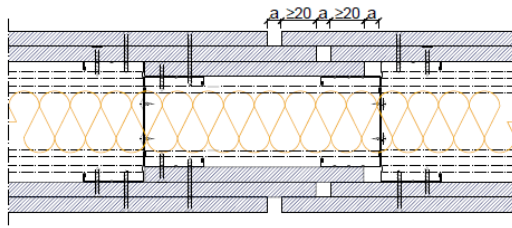
Detail. 3 **CORNER FITTING**



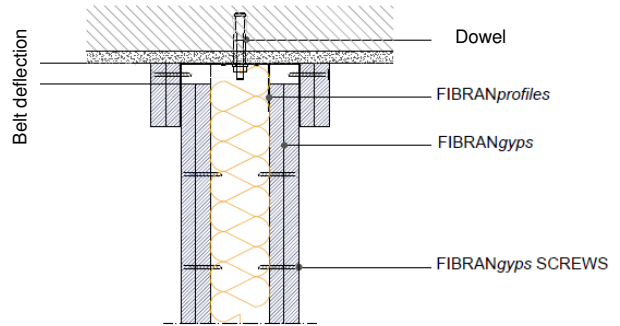
Detail. 4 **FLOOR CONNECTION**

Partition FIBRAN FSW 159/5/48S

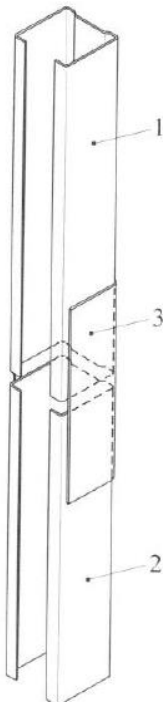
Construction details



Detail. 5 **EXPANSION JOINT**



Detail. 6 **DESOLIDARIZZAZIONE FLOOR - WALL**



N.B. Indicative drawings

LEGEND


- 1. stud
- 2. stud
- 3. stiffening element made with a channel of the same width as the stud; lenght at least 10 times the width

Detail. 7 **JOINT BETWEEN PROFILES**

Partition FIBRAN FSW 159/5/48S

Quantities of material

Indicative quantities for square meter of partition

		quantity/m ²		quantity/m ²	
		centre 600 mm		centre 400 mm	
Description	UM				
FIBRANgyps	m ²	5,2	5,2	5,2	5,2
FIBRANprofiles studs	m	4	8	5,2	10,4
FIBRANprofiles channels	m	1,4	1,4	1,4	1,4
Joint filler FIBRANgyps JF	kg	0,7	0,7	0,7	0,7
Adhesive tape FIBRANprofiles	m	2	2	2	2
FIBRANgyps TAPE	m	1,67	1,67	1,67	1,67
FIBRANgyps SCREW 25mm	pz	25	25	33	33
FIBRANgyps SCREW 35mm	pz	33	33	40	40