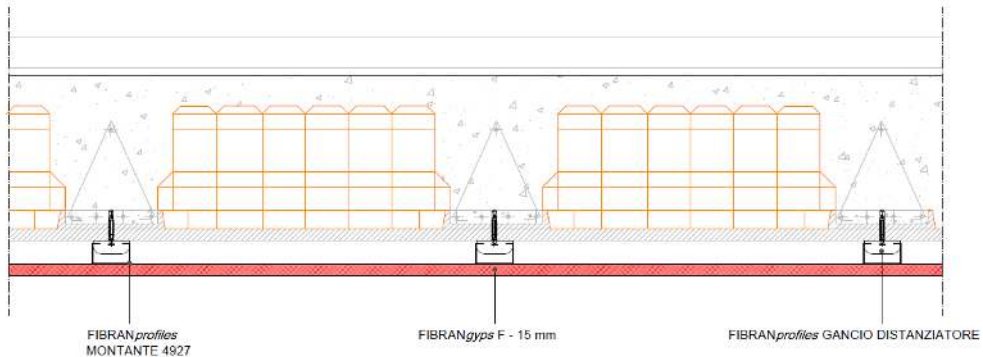


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Steel concrete composite slab protection REI 120



COMPONENTS

Plasterboards

1 layer of **FIBRANGyps F**, thickness **15 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 13,1 kg/m², water vapor resistance factor $\mu=10$, thermal conductivity $\lambda=0,25$ W/m K and specific heat $cp=1,03$ kJ/kg K according to UNI EN 10456

Metal frame thickness 0,6 mm conform to EN 14195

Perimeter “U” channel **FIBRANprofiles GUIDA 2830** mechanically fixed to the wall using anchors at a maximum spacing of 500 mm;

Single stud **FIBRANprofiles MONTANTE 4927**, spacing 400 mm, fixed with cross connector **FIBRANprofiles GANCIO DISTANZIATORE**

Cross connenctor **FIBRANprofiles GANCIO DISTANZIATORE** fixed to the steel concrete composite slab with expansion dowels, centre 600 mm

Screws

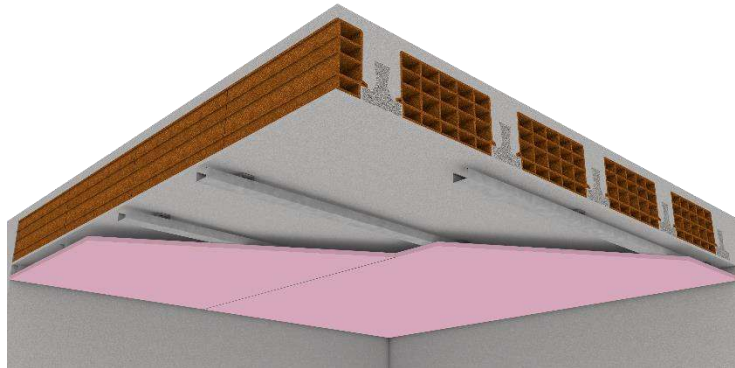
Self-drilling screws **FIBRANGyps SCREW 3,5 x 25 mm** with resistance in salt spray test not less than 72 hours, fixed max 250 mm.

Adhesive tape and joint filler

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

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Technical features



Fire rating

Fire rating: **REI 120** (Classification Report I.G. 304645/3528FR according to EN 1364-2)

Mechanical performance

FIBRAN*profiles* channels and studs, thickness 6/10 mm conform to EN 14195.

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

In case of ceiling longer than 15 meters, an expansion joint must be made every 10 meters or where structural joints are

Finishing


According to quality level required (Eurogypsum). Use **FIBRAN***gyps* JF READY MIX for level Q4

Sustainability

FIBRAN*gyps* plasterboards are classified A+, the best one according to EN ISO 16000-09, for emission of formaldehyde, acetaldehyde and other substances

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Quantities of material

Indicative quantities for square meter of ceiling (dimensions 3x4 m) – 5% waste		
		quantity/m ²
Description	UM	
FIBRANgyps F 15 plasterboard	m ²	1,05
FIBRANprofiles MONTANTE 4927 stud	m	2,88
FIBRANprofiles GUIDE 2830 channel	m	0,7
FIBRANprofiles TASSELLO anchor for channels	pz	1,22
FIBRANprofiles GANCIO DISTANZIATORE cross connector	pz	3,85
Threaded bars M6	pz	3,85
FIBRANprofiles TASSELLO anchor for ceiling	pz	3,85
Joint filler FIBRANgyps JF	kg	0,35
FIBRANgyps TAPE fiber-glass tape	m	2,18
FIBRANgyps SCREW 25mm	pz	12,5