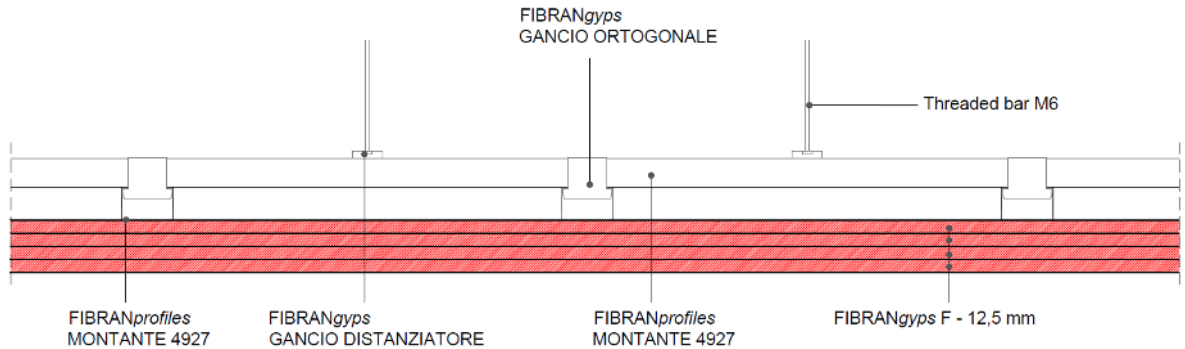


# Membrane ceiling FMC 84/34A

Fire resistant ceiling EI120



## COMPONENTS

### Plasterboards

4 layers of **FIBRANGyps F**, 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/m<sup>2</sup>, 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 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;

Main frame **FIBRANprofiles MONTANTE 4927**, max spacing 750 mm, fixed with threaded bars M6 and cross connectors **FIBRANprofiles GANCIO DISTANZIATORE** every 600 mm to the load-bearing slab structure;

Secondary frame **FIBRANprofiles MONTANTE 4927**, max spacing 400 mm, fixed to the main frame with orthogonal hook **FIBRANprofiles GANCIO ORTOGONALE**

### Screws

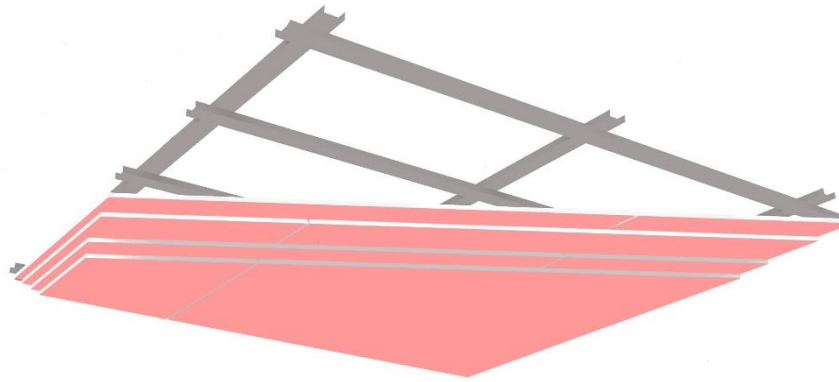
Self-drilling screws **FIBRANGyps SCREW 3,5 x 25, 3,5 x 45, 3,5 x 55** and **4,2 x 70 mm** with resistance in salt spray test not less than 72 hours fixed max 200 mm each

### 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: **EI 120** (Classification Report CSI 1981 FR 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**

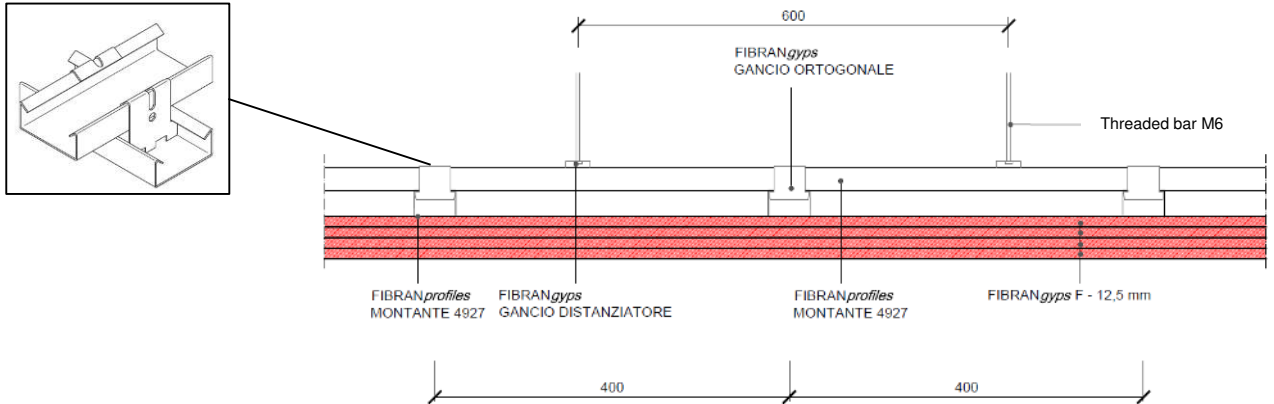
According to quality level required (Eurogypsum). Use FIBRANgyps JF READY MIX for level Q4

### **Sustainability**

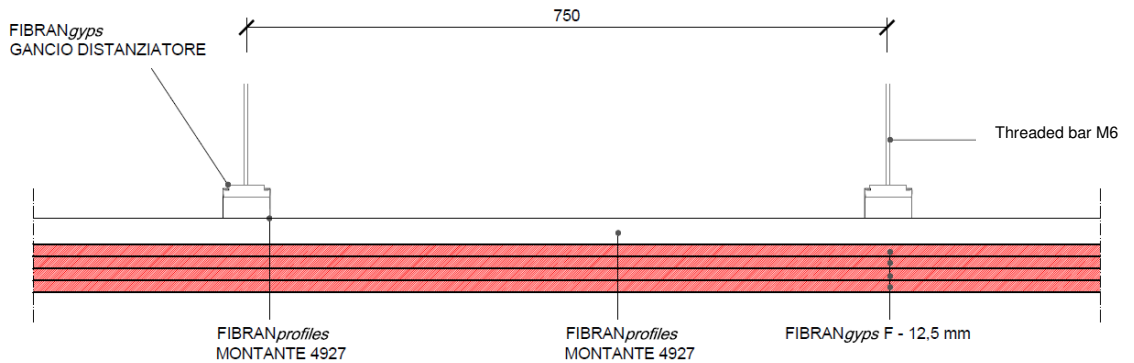
FIBRANgyps plasterboards are classified A+, the best one according to EN ISO 16000-09, for emission of formaldehyde, acetaldehyde and other substances

# Membrane ceiling **FMC 84/34A**

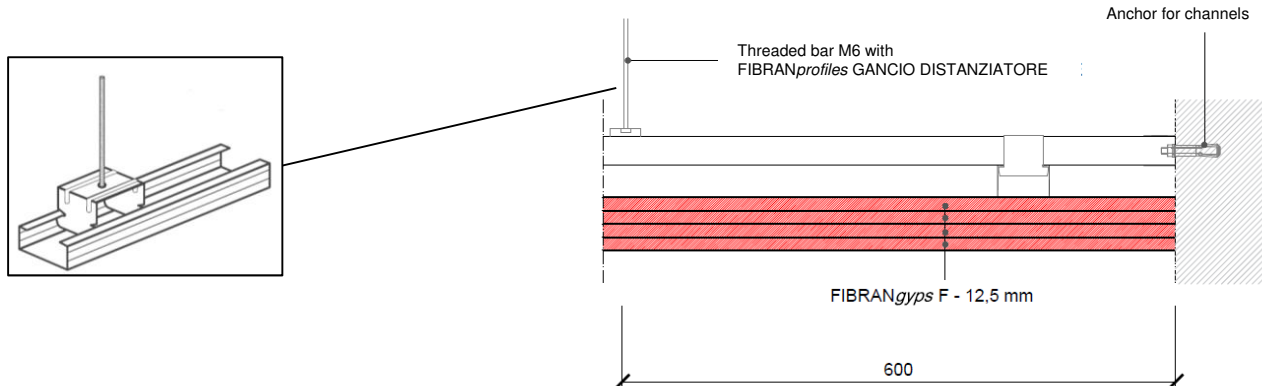
## Construction details



Detail. 1 **CROSS SECTION**



Detail. 2 **LONGITUDINAL SECTION**



Detail. 3 **PERIMETER SECTION**

# Membrane ceiling **FMC 84/34A**

## Quantities of material

### Indicative quantities for square meter of ceiling (dimensions 3x4 m) – 5% waste

		quantity/m <sup>2</sup>
Description	UM	
FIBRANgypS <b>F 13</b> plasterboards	m <sup>2</sup>	4,2
FIBRANprofiles <b>MONTANTE 4927</b> stud	m	4,4
FIBRANprofiles <b>GUIDE 2830</b> channel	m	0,7
Joint filler FIBRANgypS <b>JF</b>	kg	0,35
FIBRANprofiles <b>GANCIO ORTOGONALE</b> orthogonal hook	pz	7
FIBRANprofiles <b>GANCIO DISTANZIATORE</b> cross connector	pz	2,45
Threaded bars M6	pz	2,45
FIBRANprofiles <b>TASSELLO</b> anchor for ceiling	pz	2,45
FIBRANprofiles <b>TASSELLO</b> anchor for channels	pz	2,62
FIBRANgypS <b>TAPE</b> fiber-glass tape	m	2,01
FIBRANgypS <b>SCREW</b> 25mm	pz	10,6
FIBRANgypS <b>SCREW</b> 45mm	pz	14,7
FIBRANgypS <b>SCREW</b> 55mm	pz	16,8
FIBRANgypS <b>SCREW</b> 70mm	pz	21