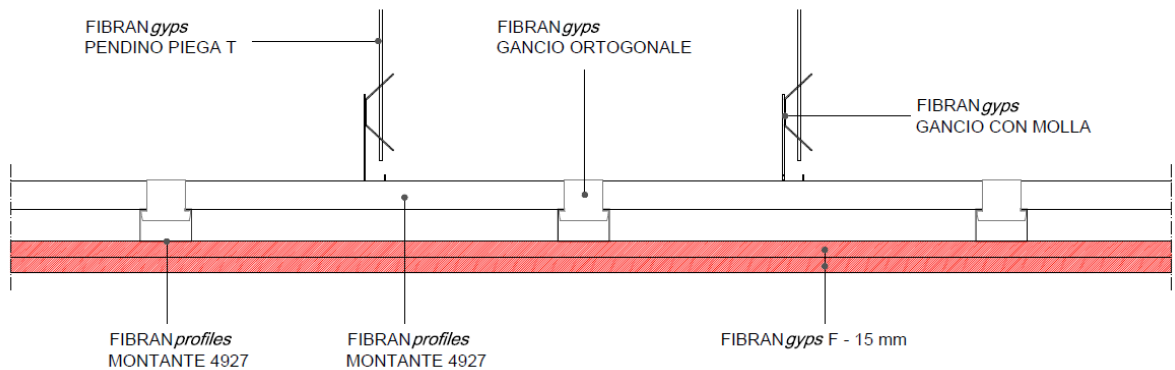


# Membrane ceiling MC 30/57

Fire resistant ceiling EI60



## COMPONENTS

### Plasterboards

2 layers 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/m<sup>2</sup>, 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 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;

Main frame **FIBRANprofiles MONTANTE 4927**, max spacing 750 mm, connected to the slab with hook with spring **FIBRANprofiles GANCIO CON MOLLA** and galvanized steel hangers  $\phi 4$  **FIBRANprofiles PENDINO PIEGA T** spacing 600 mm;

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

### Screws

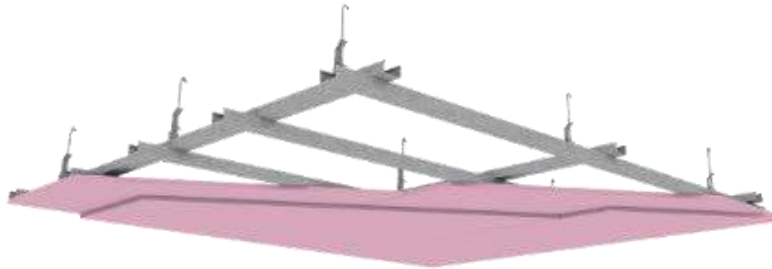
Self-drilling screws **FIBRANgyps SCREW 3,5 x 25 mm** and **3,5 x 45 mm** with resistance in salt spray test not less than 72 hours, fixed max 250 mm each

### 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)

# Membrane ceiling MC 30/57

## Technical features



### **Fire rating**

Fire rating: **EI 60** (Classification Report I.G. 288371/3354FR according to EN 1364-2)

### **Mechanical performance**

**FIBRANprofiles** 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**

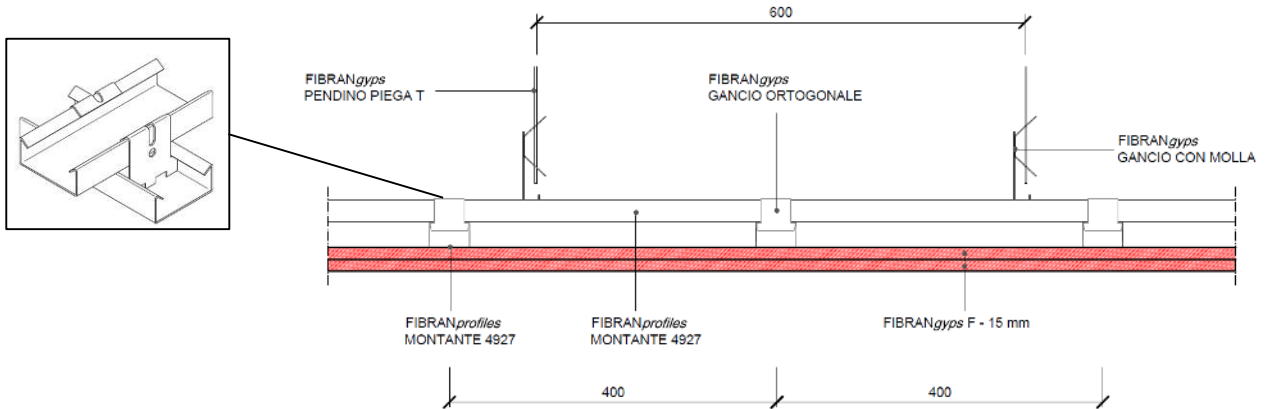
According to quality level required (Eurogypsum). Use FIBRANgyps JF READY MIX for level Q4

### **Sustainability**

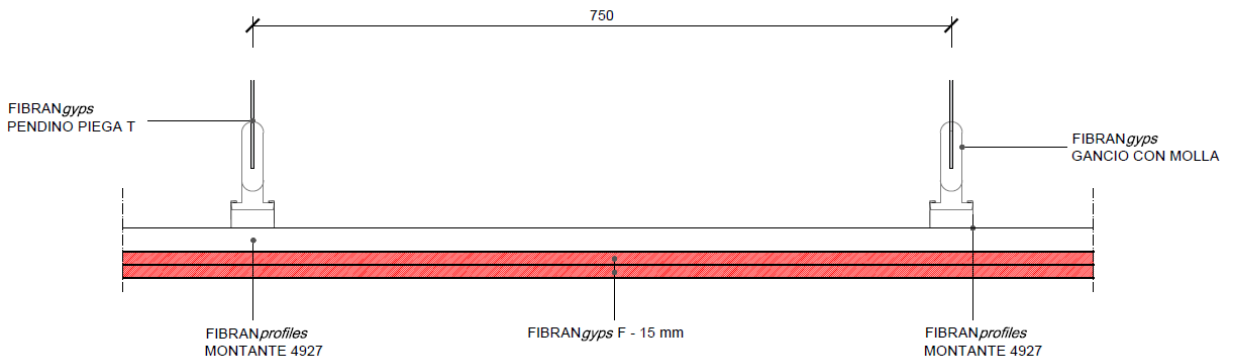
FIBRANgyps plasterboards are classified A+, the best one according to EN ISO 16000-09, for emission of formaldehyde, acetaldehyde and other substances

# Membrane ceiling MC 30/57

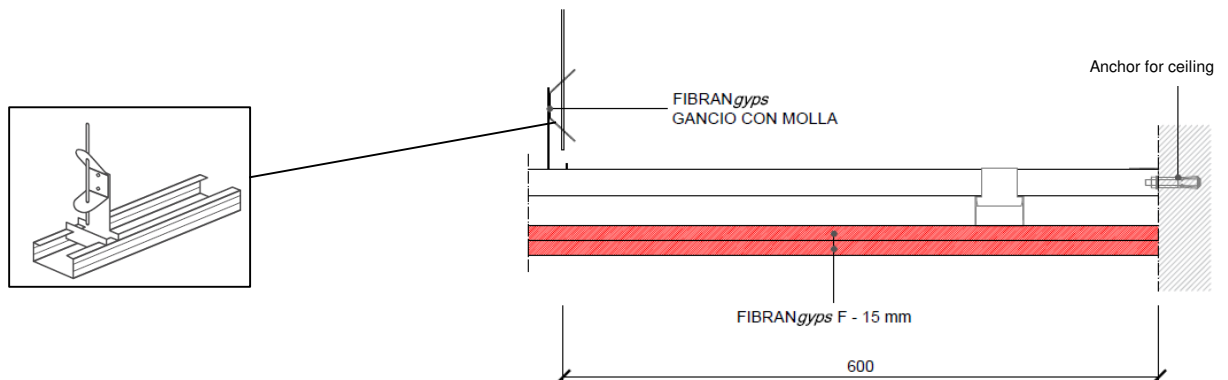
## Construction details



Detail. 1 **CROSS SECTION**



Detail. 2 **LONGITUDINAL SECTION**



Detail. 3 **PERIMETER SECTION**

# Membrane ceiling **MC 30/57**

## Quantities of material

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

		quantity/m <sup>2</sup>
Description	UM	
FIBRANgypts <b>F 15</b> plasterboards	m <sup>2</sup>	2,1
FIBRANprofiles <b>MONTANTE 4927</b> stud	m	4,4
FIBRANprofiles <b>GUIDE 2830</b> channel	m	0,7
Joint filler FIBRANgypts <b>JF</b>	kg	0,35
FIBRANprofiles <b>GANCIO CON MOLLA</b> hook with spring	pz	2,45
FIBRANprofiles <b>PENDINO T PIEGA</b> galvanized steel hangers $\varnothing 4$	pz	2,45
FIBRANprofiles <b>TASSELLO</b> anchor for ceiling	pz	2,45
FIBRANprofiles <b>GANCIO ORTOGONALE</b> orthogonal hook	pz	7
FIBRANprofiles <b>TASSELLO</b> anchor for channels	pz	2,62
FIBRANgypts <b>TAPE</b> fiber-glass tape	m	2,01
FIBRANgypts <b>SCREW</b> 25mm	pz	10,6
FIBRANgypts <b>SCREW</b> 45mm	pz	14,7