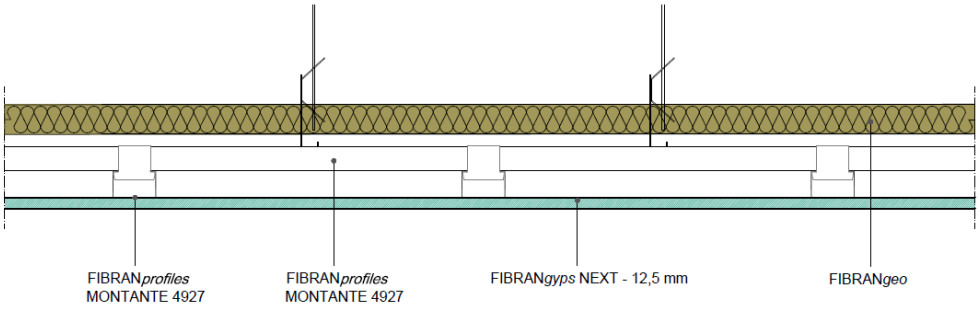
Ceiling FIBRAN **EC 49/27 mw**

Outdoor false ceiling with FIBRAN*gyps* NEXT BOARD



COMPONENTS

Plasterboards

1 layer of an innovate board **FIBRAN*gyps* NEXT BOARD** with high resistance to moisture and water, thickness **12,5 mm**, CE marked– **type GM-H1-R** according to EN 15283-1, tapered edge (BA), fire reaction **A1** according to EN 13501-1, weight 10 kg/m^2, water vapor resistance factor μ=10, thermal conductivity λ=0,225 W/m K and specific heat c_p=1,03 kJ/kg K according to UNI EN 12524

Metal frame thickness 0,6 mm conform to EN 14195

Perimeter "U" channel **FIBRAN*profiles* GUIDA 2830** mechanically fixed to the wall using anchors at a maximum spacing of 500 mm;

Main frame **FIBRAN*profiles* MONTANTE 4927**, max spacing 900 mm, connected to the slab with hook with spring **FIBRAN*profiles* GANCIO CON MOLLA** and galvanized steel hangers φ4 **FIBRAN*profiles* PENDINO PIEGA T** spacing 900 mm;

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

Insulation board in cavity

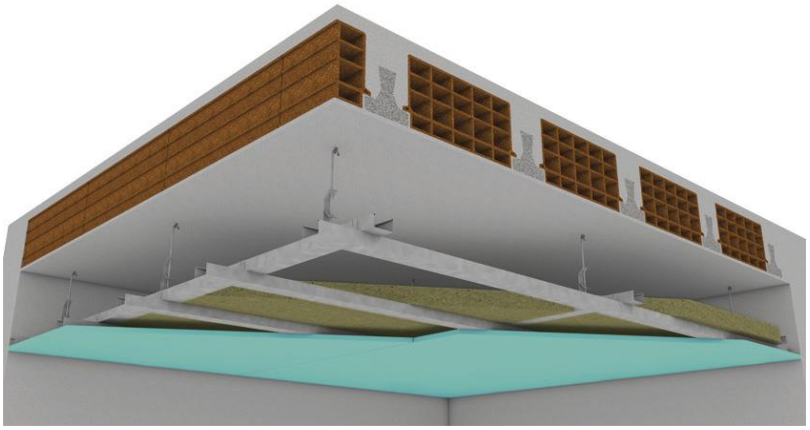
FIBRAN*geo* B-570, biosoluble stone wool board, density **75 kg/m^3**, thickness **100 mm**, fire reaction A1 according to EN 13501-1, thermal conductivity 10°C **λ_D = 0,033 W/m K** according to EN 12667 and EN 12939, water vapour diffusion resistance factor μ= 1 according to EN 12086, specific heat capacity c_p=1,03 kJ / kg K according to EN 10456

Screws

Self-drilling screws **FIBRAN*gyps* NEXT SCREW 3,5 x 25 mm** with resistance in salt spray test not less than 500 hours, fixed max 200 mm.

System Data Sheet

Ceiling FIBRAN EC 49/27 mw
Technical features



Thermal insulation

U=0,277 W/m^{2}K calculated with software

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

Adhesive tape and joint filler

The joints must be treated with **FIBRAN*gyps* NEXT COAT** plaster and fiberglass alkali resistant tape **FIBRAN*gyps* TAPE.**
The finishing cycle is composed by renforcing mesh **FIBRAN*gyps* NEXT MESH** 160 g/m^2, with overlaps of 10 cm, embedded in a first layer of smoother **FIBRAN*gyps* NEXT COAT** - based cement and special additives, which gives the compensated shrinkage, adhesion and tensile strength, posed with a notched trowel; after at least 24 h, application of a second layer of the of **FIBRAN*gyps* NEXT COAT** to obtain a total thickness of not less than 5 mm. After aging for at least 14 days; breathable protective finish with anti-mold-algae for external, fine-grained or coarse, elastic and waterproof. All cycles shaving and finish will still always follow the specifications of each manufacturer

Technical Data Sheet

Ceiling **EC 49/27**
Quantities of material

Indicative quantities for square meter of ceiling (dimensions 3x4 m) – 5% waste		
Description	UM	**quantity/m²**
FIBRAN*gyps* **NEXT BOARD** plasterboard	m^2	1,05
FIBRAN*profiles* **MONTANTE 4927** stud	m	3,84
FIBRAN*profiles* **GUIDE 2830** channel	m	1,22
Joint filler FIBRAN*gyps* **NEXT COAT**	kg	0,74
FIBRAN*profiles* **GANCIO CON MOLLA** hook with spring	pz	2,1
FIBRAN*profiles* **PENDINO T PIEGA** galvanized steel hangers φ4	pz	2,1
FIBRAN*profiles* **TASSELLO** anchor for ceiling	pz	2,1
FIBRAN*profiles* **GANCIO ORTOGONALE** orthogonal hook	pz	5,6
FIBRAN*profiles* **TASSELLO** anchor for channels	pz	2,62
FIBRAN*gyps* **TAPE** fiber-glass tape	m	2,01
FIBRAN*gyps* **NEXT SCREW**	pz	14
Renforcing mesh FIBRAN*gyps* **NEXT MESH**	m	1,5
Stonewool panel **FIBRAN*geo* B- 570**	m^2	1,05

Technical Data Sheet