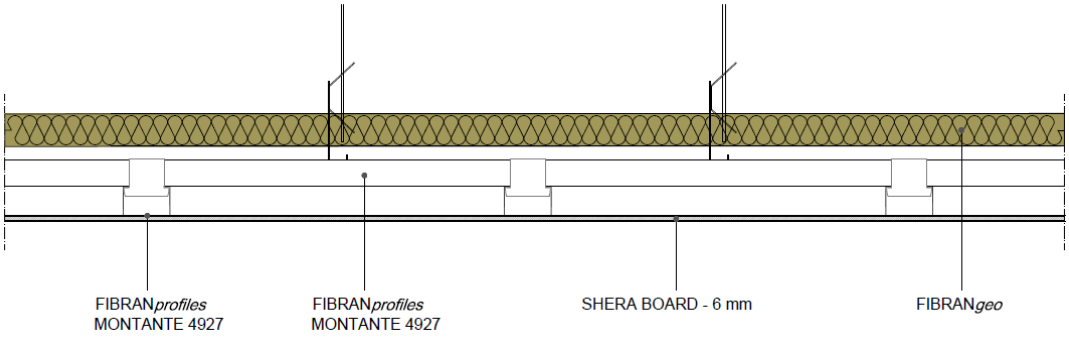
Ceiling FIBRAN **SHERA 49/27 mw**

Outdoor false ceiling with external board SHERA



COMPONENTS

Plasterboards

1 layer of **SHERA BOARD** reinforced with cellulose fibers, additive with special components to improve resistance weatheting, shock, abrasion and flexion, thickness **6 mm**, CE marked according to EN 15283-1, thinned edge (BD), fire reaction **A2-s1,d0** according to EN 13501-1, weight 9,37 kg/m^2, water vapor resistance factor μ=56, thermal conductivity λ=0,15 W/m K and specific heat c_p=1,00 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 fixing nails at a maximum spacing of 500 mm;

Main frame **FIBRAN*profiles* MONTANTE 4927**, max axial spacing every 900 mm

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

Fixing to the existing slab with galvanized steel hangers φ4 **FIBRAN*profiles* PENDINO T PIEGA** spacing every 900 mm, fixing to the main frame with **FIBRAN*profiles* GANCIO CON MOLLA**

Insulation board in cavity

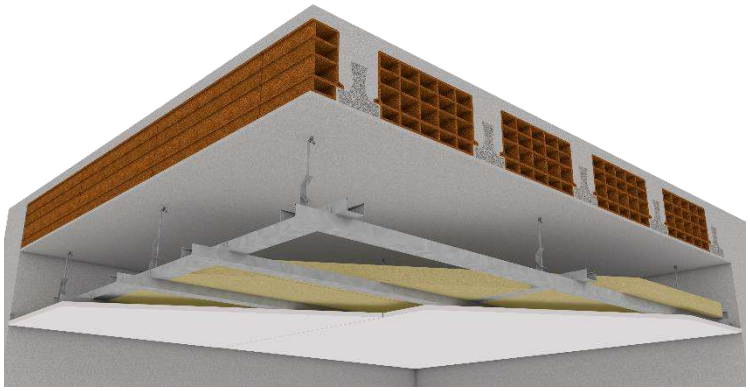
FIBRAN*geo* B-570, biosoluble stone wool board, density **75 kg/m^3**, thickness **100 mm**, fire reaction A1 according to EN 13501-1, thermal conductivity 10°C **λ_D = 0,033 W/m K** according to EN 12667 and EN 12939, water vapour diffusion resistance factor μ= 1 according to EN 12086, specific heat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

Screws

Self-drilling screws **SHERA FIX-B20** fixed max 200 mm each

System Data Sheet

Ceiling FIBRAN SHERA 49/27 mw Technical features



Thermal insulation

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

Mechanical performance

FIBRAN*profiles* channels and studs, max axial spacing every 900 mm for the main frame and 400 mm for the secondary frame, 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 at structural joints

External finishing

Joint finishing first with **PU25** Sealant, then with primer **SHERA CEMENT BONDING** to applied on the whole surface of the joint. Finishing external side with **FIBRAN*gyps* TAPE** drowned in a first coating of **SHERA CEMENT JOINTING COMPOUND,** to form a 60 mm stripe on the joint. Apply second coat at 200 mm width. Allow it to dry thoroughly before applying a finishing coat (30 minutes). Apply third coat at 300 mm width. Allow it to dry completely before sanding.

Sustainability

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

Technical Data Sheet

Independent partition **SHERA 49/27** Quantities of material

Indicative quantities for square meter of ceiling		
		quantity/m^2
Description	UM	
SHERA BOARD	m^2	1,05
FIBRAN*profiles* MONTANTI 4927	m	4,4
FIBRAN*profiles* GUIDE 2830	m	0,7
Joint filler FIBRAN*gyps* **JF**	kg	0,35
FIBRAN*geo*	m^2	1,05
FIBRAN*profiles* GANCIO CON MOLLA	pz	2,4
FIBRAN*profiles* GANCIO ORTOGONALE	pz	9
FIBRAN*profiles* PENDINO T PIEGA	pz	1,7
FIBRAN*gyps* **TAPE**	m	1,5
Viti FIX – B20	pz	29
SHERA SEALANT PU25	ml	18,7
SHERA BONDING	l	0,05
SHERA CEMENT JOINTING COMPOUND	kg	0,74

Technical Data Sheet