

## TECHNICAL SPECIFICATION

Airborne noise Insulation in 48 mm thick pre-assembled panels made of a central panel SBR (Stirene Butadiene Rubber) rubber granules and EPDM (Ethylene Propylene Diene Monomer) rubber granules thickness 8 mm, density 800 kg/m<sup>3</sup>, hot pressed with an polyurethane binder; on both external sides there are two panels in polyester fibre thickness 20 mm each, density 60 kg/m<sup>3</sup>. The panels dimensions are: 1,2 m length and 0,6 m width.



PHYSICAL CHARACTERISTICS	Standard	Unit	TRYWALL 48	Tolerance
Thickness		mm	<b>48</b>	± 10%
Length	EN 822	m	<b>1,20</b>	± 1%
Width	EN 822	m	<b>0,60</b>	± 1%
Density (rubber panel + polyester panel)		kg/m <sup>3</sup>	<b>60 + 800 + 60</b>	± 10%
Superficial weight	EN 1602	kg/m <sup>2</sup>	<b>8,80</b>	± 10%
Colour			<b>green</b>	

ACOUSTIC CHARACTERISTICS	Standard	Unit	TRYWALL 48	Tolerance
<i>Wall composition - 100 mm thickness</i> A: Gypsum-board double layer, 12.5mm x2 B: Trywall panel, inside the metal structure 50 mm C: Gypsum-board double layer, 12.5mm x2	EN ISO 10140			
Transmission Loss Rw	EN ISO 717-1	dB	<b>54</b> <sup>(1)</sup>	
<i>Wall composition - 200 mm thickness</i> A: Gypsum-board double layer, 12.5mm x2 fixed to an 50 mm metal structure B: Trywall panel C: Gypsum-board double layer, 12.5mm x2 fixed on an 50 mm metal structure	EN ISO 10140			
Transmission Loss Rw	EN ISO 717-1	dB	<b>60</b> <sup>(2)</sup>	

TECHNICAL CHARACTERISTICS	Standard	Unit	TRYWALL 48	Tolerance
Thermal conductivity coefficient (λ)	EN 12667	W/m K	<b>0,047</b>	
Fire grade	EN 13501-1		<b>F</b>	

## PACKING AND STORING

Each pallet is wrapped and protected with waterproof polythene film. Inside storage is recommended to avoid possible wet storing.

## NOTES

<sup>(1)</sup> Test Report n. RW\_2009\_032 at Isolgomma Lab, Albettone (Italy)

<sup>(2)</sup> Test Report n. RW\_2009\_026 at Isolgomma Lab, Albettone (Italy)

The suggestions and technical information given above represent our knowledge regarding the properties and the product's uses. ISOLGOMMA reserve the right to modify or update this data without prior notice. This document is the property of ISOLGOMMA and all rights are therefore reserved.

## PLASTERBOARD WALL



Lay the under wall strip in the dry floor.



Fix metal stud on the floor, wall and ceilings



Fix the vertical metal studs on the ceiling and bottom guides by screwing



Fix the gypsum boards on one side. Insert the Fybro panel



Cover the insulation layer by screwing the second gypsum boards on the metal studs



Apply the plastic mesh tape in the gypsum boards jointing lines and grouting

## SUSPENDED CEILING



Fix metal stud along the perimeter of the room at a fixed distance from the ceiling



Mark and fix the acoustic hangers



Fix to hangers the metal studs of primary grid



Place on top of the primary and secondary grid the insulation panels



Lean the gypsum board to the metal frame Fix the gypsum board by screwing



Apply the plastic mesh tape in the gypsum boards jointing lines Apply the plastic mesh tape in the gypsum boards jointing lines