



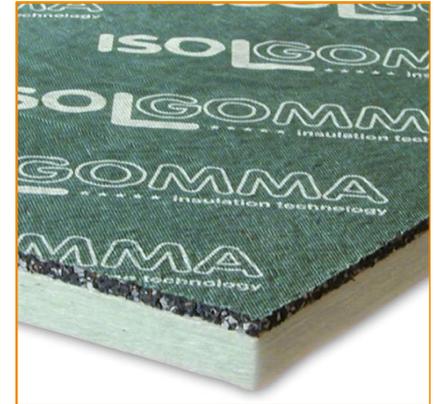
TECHNICAL DATA

Biwall

Thermal-acoustic insulation for walls and ceilings

Technical specification

Airborne noise insulation in ... mm thick pre-assembled panels made of a panel 10 mm thickness SBR (Stirene Butadiene Rubber) rubber granules and EPDM (Ethylene Propylene Diene Monomer) rubber granules anchored to a non-woven anti-stretch synthetic backing and hot pressed with polyurethane binder, density of ... kg/m³; a ... cm thick polyester fibre panel with density ... kg/m³. The panels dimensions are 1.20 m length and 1 m width.



- high acoustic insulation value
- high thermal insulation value
- easy to lay

PHYSICAL CHARACTERISTICS	Standard	Unit	30	40	50	Tolerance
Thickness		mm	30	40	50	± 2
Length		m	1,20			± 0,01
Width		m	1,00			± 0,01
Density (rubber panel + polyester panel)		kg/m ³	800+20	800+40	700+40	± 5%
Superficial weight		kg/m ²	6,80	9,20	15,20	± 5%
Colour			green			

ACOUSTIC CHARACTERISTICS	Standard	Unit	30	40	50	Tolerance
Wall composition - 25 cm thick A: plaster 1,5 cm + hollow brick 8 cm + plaster 1.0 cm B: Biwall ... C: hollow brick 8 cm + plaster 1,5 cm						
Transmission Loss Rw	EN ISO 10140	dB	52 ⁽³⁾	54 ⁽¹⁾	55 ⁽³⁾	
Wall composition - 28 cm thick A: plaster 1,5 cm + hollow brick 12 cm + plaster 1.0 cm B: Biwall ... C: hollow brick 8 cm + plaster 1,5 cm						
Transmission Loss Rw	EN ISO 10140	dB	53 ⁽³⁾	55 ⁽²⁾	56 ⁽³⁾	

TECHNICAL CHARACTERISTICS	Standard	Unit	30	40	50	Tolerance
Thermal conductivity coefficient (λ)	EN 12667	W/m ² K	0,049	0,047	0,057	
Fire grade	EN 13501-1		F			

PACKING AND STORING

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

⁽¹⁾ Test Report n. 4266/RP/06 of 2006; ITC of San Giuliano Milanese (MI)

⁽²⁾ Test Report n. 4268/RP/06 of 2006; ITC of San Giuliano Milanese (MI)

⁽³⁾ Value calculated according to EN 12354-1

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.



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INSTALLATION INSTRUCTIONS

DOUBLE WALL



Lay the under wall strip in the dry floor.
Build the wall.

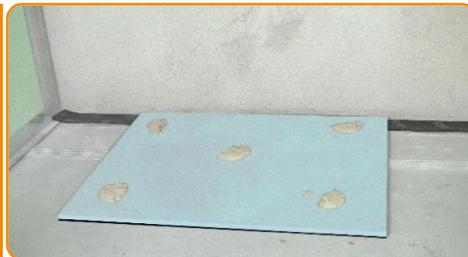


Build up the wall by caring to joint the blocks with mortar on both vertical and horizontal joints.



Apply in the first wall a layer of row mortar of about 1 cm thickness.

GLUE APPLICATION



Apply the glue on the panel by spreading it on dots.
(suggested glue Knauf Perfix)



Apply the panel on the wall by forcing with homogeneous pressure.

NAILS APPLICATION



Place the panel on the right wall position and produce 5 holes per panel with the driller (one in the centre and one in the four corners)



Apply the five plastic nails with the hammer.



When all panels are fixed seal the panel joints with the "Stik" tape.



Build the second wall with the same process of the first one and insert the panel in the cavity



Realize the final plastering.



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INSTALLATION INSTRUCTIONS

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



Fix the metal studs of primary grid along the perimeter channel



Insert the metal stud of secondary grid in the perimeter channel



Fix the metal stud of secondary grid to the primary grid with the appropriate connector



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
Grouting