



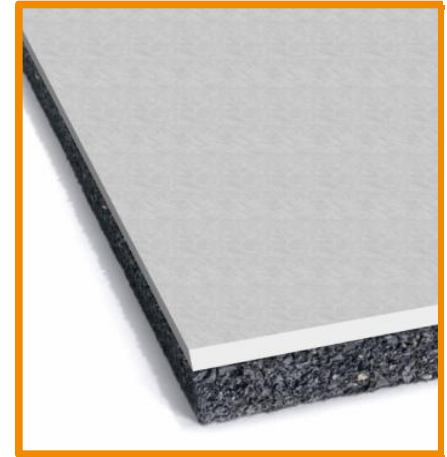
# TECHNICAL DATA

## Mustwall 33B

### Acoustic and thermal insulation for existing walls and ceilings

#### Product Description and Technical Specification

33mm-thick acoustic insulation coupled panels, composed of the following: a 20 mm thick fiber panel produced using SBR (Styrene Butadiene Rubber) granules that are heat pressed with polyurethane adhesive and has a density of 500 kg/m<sup>3</sup>, a 12.5 mm thick plaster covered slab. The panels are 1.20 m wide x 1.00 m high.



- thermal and sound insulating
- long term durability and stability
- eco-compatible

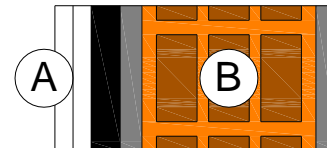
PHYSICAL CHARACTERISTICS	Norm	Unit	Mustwall 33B	Tolerance
Nominal thickness		mm	<b>33</b>	± 1
Length		m	<b>1.00</b>	± 0.005
Width		m	<b>1.20</b>	± 0.005
Overall Superficial mass		kg/m <sup>2</sup>	<b>19.5</b>	± 5%
Colour			<b>black / white</b>	

ACOUSTIC CHARACTERISTICS	Norm	Unit	Mustwall 33B	
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Wall composition - certified at 19.5 cm thick

A: reline with Mustwall 33B and a 12.5 mm plasterboard slab finish

B: 12 cm hollow block wall (12/25/50), with 1.5 cm coat on both sides



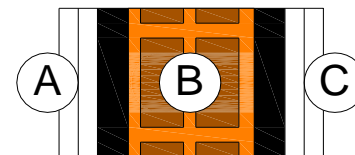
Transmission loss (R <sub>w</sub> )	EN ISO 10140	dB	<b>54<sup>(1)</sup></b>	
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Wall composition - certified at 17.1 cm thick

A: reline with Mustwall 33B and a 12.5 mm plasterboard slab finish

B: 8 cm hollow block wall (8/25/50)

C: reline with Mustwall 33B and a 12.5 mm plasterboard slab finish



Transmission loss (R <sub>w</sub> )	EN ISO 10140	dB	<b>53<sup>(1)</sup></b>	
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TECHNICAL CHARACTERISTICS	Norm	Unit	Mustwall 33B	
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Thermal resistance (R)	EN 12667	m <sup>2</sup> K/W	<b>0.229</b>	
Fire resistance	EN 13501-1		<b>F</b>	

#### PACKING AND STORING

Each pallet is wrapped and protected with a polythene film. Although the wrapping is waterproof, inside storage is recommended to avoid possible ingress by rain.

<sup>(1)</sup> Values obtained in Isolgomma acoustic laboratory

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

#### WALL APPLICATION



Lay the under wall strip



Mark fixing holes on each Mustwall 33B panel



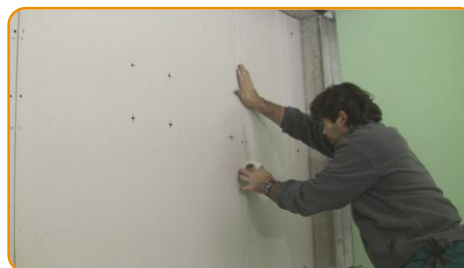
Drill 8mm diameter holes and hammer through the plastic fixing



Apply Stywall S3A adhesive strip between each fixing



Fix the second gypsum board by using a suitable adhesive. Offset the first board with the second



Apply plastic mesh tape along the gypsum board jointing lines



Grouting



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### INSTALLATION INSTRUCTIONS

#### CEILING



Glue the adhesive strip Stywall S3A to the metal studs and fix them along the upper perimeter of the room



Calculate the distance of the metal studs of 50 cm and fix the acoustic bracket every 80 cm



Drill the ceiling e fix the acoustic bracket



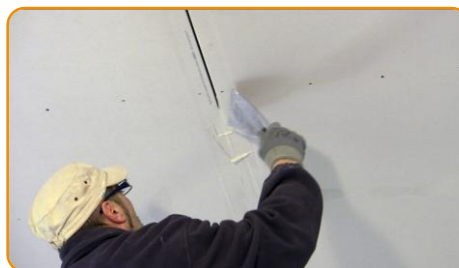
Fix the metal stud to the acoustic bracket



Lean the Mustwall 33B panel to the metal frame



Fix the Mustwall 33B panel to the metal frame with 55 mm screws every 15 cm



Fill any gaps between the panels



Apply the plastic mesh tape along the gypsum board jointing lines and grout.