ISOLGOMMA
SILENCE MAKERS



ACOUSTIC INSULATION

DRY CONSTRUCTION SYSTEMS

Benefits

High insulation efficiency

Dry construction systems allow the integration of specific sound insulation materials that provide excellent performance against airborne and impact noise.

Quick installation

Dry construction systems significantly reduce installation times compared to traditional methods. Acoustic insulation can be easily integrated into the build-up without the need for drying times.

Design flexibility

The build-ups can be customised according to acoustic requirements, including in renovation projects, using lightweight, reversible and minimally invasive solutions.

Greater environmental sustainability

Dry construction systems, combined with recycled or recyclable acoustic insulation materials, help reduce the building's environmental impact and improve overall energy and acoustic performance.

*The**Greennovation***

90%

of recycled products.

Acoustic insulation

There are many kinds of silence. Let us introduce you to ours.

Living in harmony with the surrounding environment is a personal right, and noise plays a significant role in the perception of well-being.
To improve people's quality of life, at Isolgomma we offer solutions for acoustic insulation and vibration control in homes, commercial buildings, production facilities and infrastructure.

Our solutions are the result of a constant commitment to innovation and to the provision of services dedicated to developing a culture of acoustic well-being.
This path is marked not only by significant investment in research and development, but above all by consulting and training activities for our customers.

High standard

Tested and guaranteed living comfort, from first-hand experience.

In Europe, minimum requirements for acoustic conditions in new dwellings are specified in building regulations. Different acoustic limits define impact sound and airborne sound insulation, noise levels from technical installations and traffic, as well as other acoustic and noise-related aspects.
Sound classification schemes have been adopted by several countries to define different levels of acoustic quality in dwellings.
Therefore, acoustic requirements for a dwelling can be specified either as the legal minimum requirements or as a specific class within a classification scheme. Classes higher than the regulatory minimum requirements may be requested as an option for new housing. For existing housing, especially renovated housing, it is often not realistic to comply with current regulations and thus there is also a need for lower classes to enable specification of performance class for such housing.



PERFORMANCE STANDARDS IMPACT SOUND INSULATION BETWEEN DWELLINGS MAIN REQUIREMENTS EUROPEAN COUNTRIES

Country	Descriptor	Multi-storey housing dB	Row housing dB
Austria	$L'_{nT,w}$	≤ 48	≤ 43
Belgium	$L'_{nT,w}$	≤ 52	≤ 48
Bulgaria	$L'_{n,w}$	≤ 53	≤ 53
Denmark	$L'_{n,w}$	≤ 53	≤ 53
England & Wales	$L'_{nT,w}$	≤ 62	None
Estonia	$L'_{n,w}$	≤ 53	≤ 53
France	$L'_{nT,w}$	≤ 58	≤ 58
Ireland	$L'_{nT,w}$	≤ 58	None
Northern Ireland	$L'_{nT,w}$	≤ 62	None
Latvia	$L'_{n,w}$	≤ 54	≤ 54
Luxembourg	$L'_{n,w}$	≤ 52	≤ 45
Netherlands	$L'_{nT,w} + C_I$	≤ 54	≤ 54
Poland	$L'_{n,w}$	≤ 58	≤ 53
Portugal	$L'_{nT,w}$	≤ 60	≤ 60
Scotland	$L'_{nT,w}$	≤ 56	None
Spain	$L'_{nT,w}$	≤ 65	≤ 65
Switzerland	$L'_{nT,w} + C_I$	≤ 58	≤ 50

PERFORMANCE STANDARDS AIRBORNE SOUND INSULATION BETWEEN DWELLINGS MAIN REQUIREMENTS EUROPEAN COUNTRIES

Country	Descriptor	Multi-storey housing dB	Row housing dB
Austria	$D_{nT,w}$	≥ 55	≥ 60
Belgium	D_A	≥ 54	≥ 58
Bulgaria	R'_W	≥ 53	≥ 53
Denmark	R'_W	≥ 55	≥ 55
England & Wales	$D_{nT,w} + C_{Tr}$	≥ 45	≥ 45
Estonia	R'_W	≥ 55	≥ 55
France	$D_{nT,w} + C$	≥ 53	≥ 53
Ireland	$D_{nT,w}$	≥ 53	≥ 53
Northern Ireland	$D_{nT,w} + C_{Tr}$	≥ 45	≥ 45
Latvia	R'_W	≥ 54	≥ 54
Luxembourg	$R'_W + C$	≥ 51	≥ 56
Netherlands	$R'_W + C$	≥ 52	≥ 52
Poland	$R'_W + C$	≥ 50	≥ 52
Portugal	$D_{nT,w}$	≥ 50	≥ 50
Scotland	$D_{nT,w}$	≥ 56	≥ 56
Spain	$D_{nT,A} \approx D_{nT,w} + C$	≥ 50	≥ 50
Switzerland	$D_{nT,w} + C$	≥ 52	≥ 55

In 2008, Isolgomma S.r.l. set up an acoustics laboratory featuring unique technical and performance characteristics for measuring the sound insulation of walls and floors.
Developed in collaboration with the Department of Technical Physics at the University of Padua, the laboratory was designed and built in accordance with the requirements set out in the ISO 140-1 standard.

In addition to acoustic chambers, the laboratory is equipped with instruments for carrying out tests on small samples.







Our laboratory allows us to carry out tests in compliance with current technical standards.

- Dynamic stiffness UNI EN 29052-1
- Thickness and compressibility UNI EN ISO 29770
- Compression UNI EN ISO 29469
- Creep UNI EN 1606
- Reaction to fire UNI EN 11925-1

UNDER SCREED DRY





Impact sound insulation rolls and panels for impact noise insulation.

Our dry under-screed solutions are designed to provide high acoustic insulation even in reduced thicknesses, while maintaining the required mechanical stability. Ideal for renovation projects, timber structures or applications requiring dry installation, they allow a floating screed to be created, decoupling the floor slab from the walking surface through an elastic layer.

90% recycled material

Certified recycled raw material

Excellent environmental performance

Certified quality

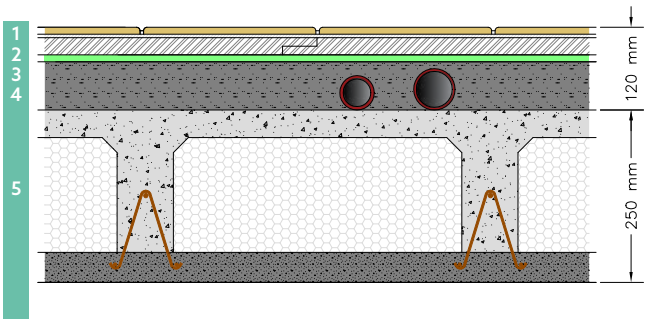
		pg.
SLAB	PREDALLES SLAB	8
	CONCRETE SLAB	9
	TIMBER JOIST FLOOR	10
	CLT FLOOR	11
PRODUCT ROLLS	UPGREI — High-performance thermal-acoustic impact insulation, made with EPDM rubber granules	12
	SYL AD — Acoustic insulation with extremely high mechanical resistance, made with rubber from ELTs	14

Predalles slab

Solution for traditional floor slabs



Product	$L_{n,w}$ (dB)	R_w (dB)
SYL 10AD	52	61
UPGREI	50	60



The Predalles slab is a widely used solution in residential and multi-storey buildings, characterized by high rigidity and good load-bearing capacity. However, this type of structure can facilitate the transmission of impact noise. To achieve high acoustic performance, it is advisable to install a floating screed, separating the floor from the structural slab by means of a resilient layer placed beneath the screed and along the perimeter of the room. This helps reduce vibration transmission, improving impact sound insulation and overall acoustic comfort.

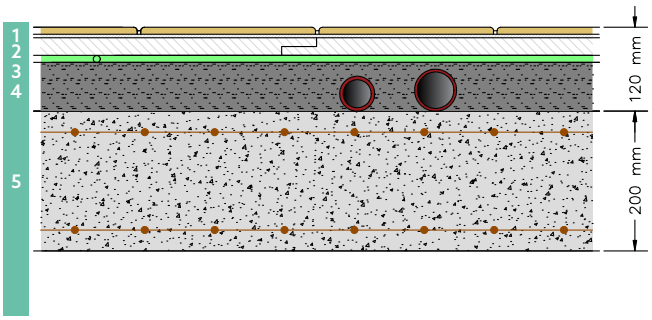
1. Floor finishing, 15 mm th.
2. Dry screed substrate in gypsum fibreboard, 25 mm th.
3. Acoustic insulation in rolls
4. Sand and cement floating screed, th. 60 mm
5. Predalles slab, 250 mm th.

Concrete slab

Solution for seismic-resistant floor slabs



Product	$L_{n,w}$ (dB)	R_w (dB)
SYL 10AD	52	60
UPGREI	49	60



The reinforced concrete slab is seismically efficient and extremely versatile, suitable for all types of buildings, from residential properties to public, hospitality and tertiary-sector buildings.
Its mass contributes positively to acoustic insulation, both against impact noise and airborne noise. To further increase performance, a floating screed on a resilient underlay can be used, achieving high levels of impact sound insulation.
With the use of dry screeds, performance can be improved even further, ensuring optimal results in terms of acoustic comfort and durability without compromising room heights.

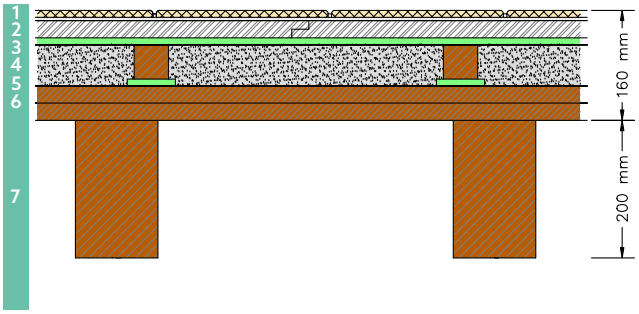
1. Floor finishing, 15 mm th.
2. Dry screed substrate in gypsum fibreboard, 25 mm th.
3. Acoustic insulation in roll
4. Sand and cement floating screed, th. 60 mm
5. Concrete slab, 200 mm th.

Timber joist floor

Solution for traditional timber floor slabs



Product	$L_{n,w}$ (dB)	R_w (dB)
SYL 10AD	59	59



Timber floor slabs are found in both historic buildings and modern constructions, and have traditionally been widely used. As they are lightweight structures with limited insulating capacity, they present similar acoustic issues in both cases.
To improve impact sound insulation, the first recommended intervention is to create a floating screed on a suitable resilient underlay.
In renovation projects with limited space, a low-thickness screed can be used, still achieving good acoustic performance and ensuring living comfort without compromising room heights.

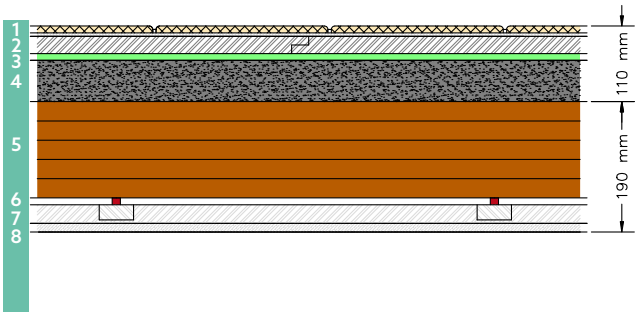
1. Floor finishing, th. 15 mm
2. Gypsum fibre under-layment, th. 25 mm
3. Acoustic insulation SYL 10 AD
4. Sand filling, th. 70 mm
5. Timber beam, th. 65 mm
6. Acoustic insulation STYWALL AD PRO
7. Timber joist floor, th. 200 mm

CLT floor

Solution for CLT floors



Product	$L_{n,w}$ (dB)	R_w (dB)
UPGREI	53	59



CLT floor slabs are used in timber buildings, where dry construction solutions are particularly valued for their quick installation and high performance. In this context, a floating dry screed laid over an impact sound insulation underlay optimises the reduction of impact noise, ensuring acoustic comfort.
Combined with dry infill materials, such as sand, it is possible to increase the mass of the floor slab, also improving its sound reduction performance. This creates a high-performance solution for both impact sound insulation and airborne noise insulation.

1. Floor finishing, th. 15 mm
2. Floating dry screed, th. 50 mm
3. Acoustic and thermal insulation UPGREI
4. Levelling screed, th. 60 mm
5. CLT floor, th. 140 mm
6. Anti-vibration brackets REDFIX C28
7. Steel profile 50/27/0.6
8. Plasterboard, th. 12.5 mm

Impact sound insulation rolls **UPGREI**

High-performance acoustic and thermal insulation for floating screeds

UPGREI is a high-performance acoustic insulation product developed with advanced technologies for applications on floors using the floating screed system. It is manufactured in rolls using a special EPDM rubber layer based on the proven Grei technology, coupled with a layer of resin-bonded polyester fibre. The combination of these two materials provides the product with excellent acoustic, thermal, and mechanical properties.
The UPGREI range is ideal for impact sound and thermal insulation on all types of floors, especially where high acoustic performance is required.
The product combines strength and flexibility, adapting perfectly to the substrate surface. Thanks to the pre-arranged self-adhesive overlapping edge, the rolls can be joined quickly and accurately, reducing installation time without the need for additional adhesive tape.

APPLICATION FIELDS

- Traditional or lightweight floors.
- Thick screed applications.
- Wet or dry screed systems.
- Floors requiring high acoustic performance.

Technical features		**UPGREI**
Thickness	mm	10
Dimensions	mm	1040 x 5000
Mass per unit area	kg/m²	2.65
Dynamic stiffness s'	MN/m³	6
Impact sound pressure level attenuation ΔL_w	dB	26
Thermal conductivity coefficient (λ)	W/mK	0.043
Compressibility c	mm	2.2
Reaction to fire		Class E





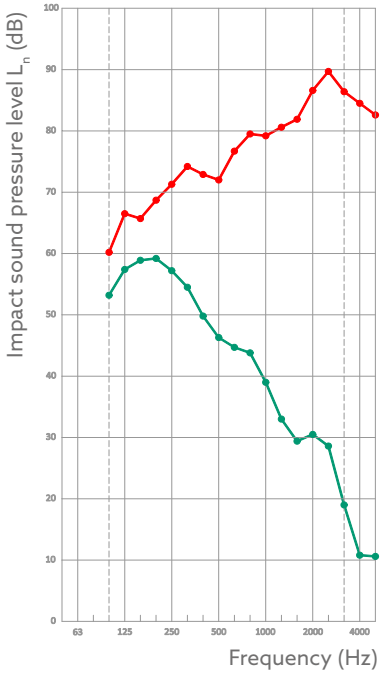
UNDER SCREED DRY



TECHNICAL DATA SHEET
Download document

INSTALLATION INSTRUCTIONS
Watch the video

Impact sound insulation EN ISO 10140 and EN ISO 717-2

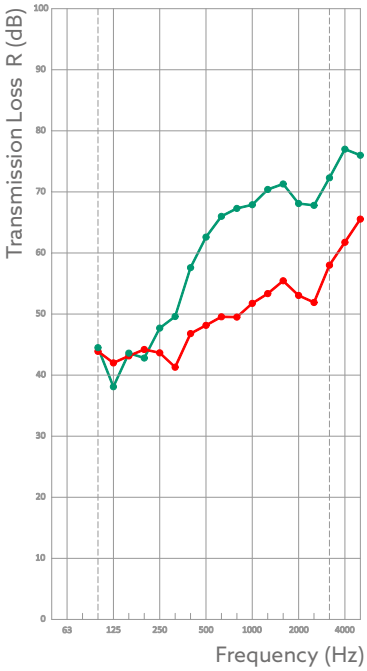


—— = bare
—— = isolated

$L_{n,w}$ 92 dB

$L_{n,w}$ 50 dB

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



R_w 51 dB

R_w 60 dB

Fr Hz	Ln dB	R dB
100	53,2	44,5
125	57,4	38,1
160	58,9	43,6
200	59,2	42,8
250	57,2	47,7
315	54,5	49,6
400	49,8	57,6
500	46,3	62,6
630	44,7	66,0
800	43,8	67,3
1000	39,0	67,9
1250	33,0	70,4
1600	29,4	71,3
2000	30,5	68,2
2500	28,6	67,8
3150	19,2	72,3
4000	10,8	77,0
5000	10,6	76,0

Floor slab composition:

- 250 mm predalles slab.
- 50 mm sand.
- 10 mm UPGREI.
- 25 mm dry screed.

Total thickness 335 mm

ACCESSORIES



PROFYLE - PROFYLE FLAT
0.8 - 1.2 m per m²
of floor surface



STIK HD
0.1 m per m²
of floor surface

Impact sound insulation rolls **SYL AD**

Acoustic insulation with extremely high mechanical resistance for floating screeds

SYL AD is a range of high-density rubber underlays designed for acoustic insulation beneath both dry and wet screed systems. Supplied in rolls and made from recycled rubber granules and fibres sourced from ELTs, bonded with polyurethane adhesive through a hot-processing method, the underlays combine elasticity, mechanical stability and excellent acoustic performance, ensuring effective impact sound insulation. The range includes versions in different thicknesses, including the 6 mm variant, which is ideal for applications with height constraints and ensures a good level of insulation even with reduced screed thicknesses.
SYL AD is therefore a reliable, sustainable and certified solution that combines acoustic comfort, technical performance and ease of installation.

APPLICATION FIELDS

- Ideal for terraces.
- High-thickness screeds.
- Raised floors.
- High performance with reduced thicknesses.*

Technical features		SYL 6AD	SYL 10AD
Thickness	mm	6	10
Dimensions	mm	1200 x 8000	
Density	kg/m³	780	
Dynamic stiffness s'	MN/m³	77	68
Impact sound pressure level attenuation ΔL_w	dB	17	18
Thermal conductivity coefficient (λ)	W/m^K	0.12	
Compressibility c	mm	0,2	0,4

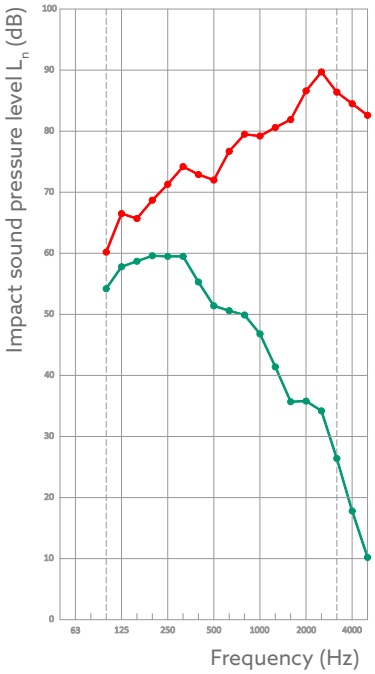






TECHNICAL DATA SHEETS
Download documents

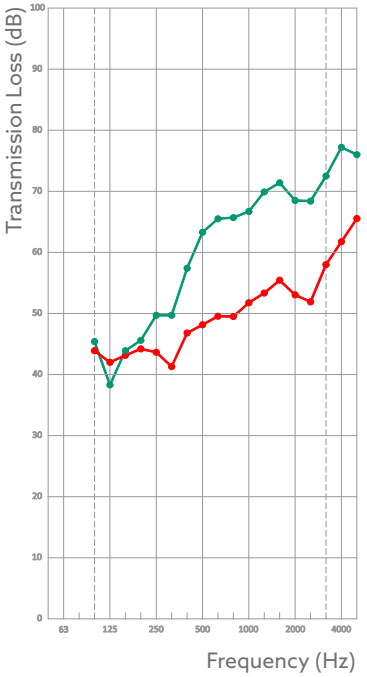
Impact sound insulation EN ISO 10140 and EN ISO 717-2



= bare
= isolated

$L_{n,w}$ 92 dB
$L_{n,w}$ 52 dB

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



R_w 51 dB
R_w 61 dB

Fr Hz	Ln dB	R dB
100	54,2	45,4
125	57,8	38,3
160	58,7	43,9
200	59,6	45,6
250	59,5	49,7
315	59,5	49,7
400	55,3	57,4
500	51,4	63,3
630	50,6	65,5
800	49,9	65,7
1000	46,8	66,7
1250	41,4	69,9
1600	35,7	71,4
2000	35,8	68,5
2500	34,2	68,4
3150	26,4	72,5
4000	17,8	77,2
5000	10,2	76,0

Floor slab composition:

- 250 mm predalles slab.
- 50 mm sand.
- 10 mm SYL 10AD.
- 25 mm dry screed.

Total thickness 335 mm

ACCESSORIES



PROFYLE - PROFYLE FLAT
0.8 - 1.2 m per m^2
of floor surface



STIK HD
0.1 m per m^2
of floor surface



Installation guidelines

How to install our acoustic insulation products for floating screeds.

For correct installation of under-screed products, the following instructions must be observed:

- Do not use them incorrectly: do not install them directly beneath the final floor covering.
- The floor slab must be properly constructed, with no through-holes or recesses.
- The lightweight substrate must have a compressive strength ≥ 1 MPa, a density ≥ 250 kg/m^3 and high resistance to deformation.

Perimeter strip

The adhesive has strong bonding power and may leave some residue on the wall after the excess part has been removed at the finished floor level. Where no skirting board is planned, make sure that the adhesive strip does not extend above the floor level. To remove any adhesive residue, use a suitable thinner.

Preparation of the installation surface

The installation substrate must be at the required level, flat, dry, clean and free from cracks and irregularities.



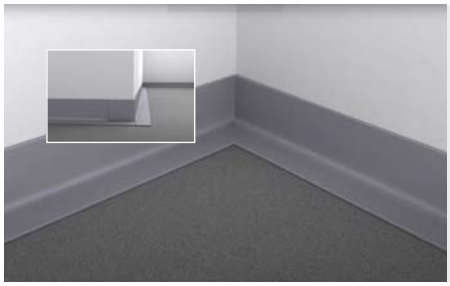
Cracks must be repaired using suitable products, such as dedicated epoxy adhesives and resins.



If the surface is not flat and has irregularities, it must be properly levelled.



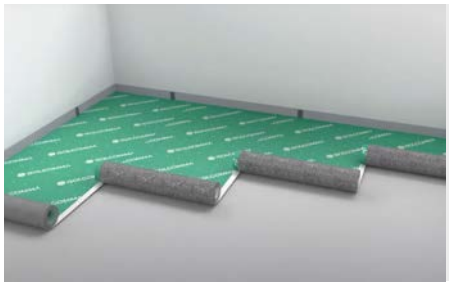
Installation guidelines for our acoustic insulation rolls.



Clean the lightweight substrate. Stick PROFYLE to the wall and floor slab, carefully forming the corners



Install the dry screed according to the manufacturer's instructions



Roll out the acoustic insulation with the rubber granules facing down



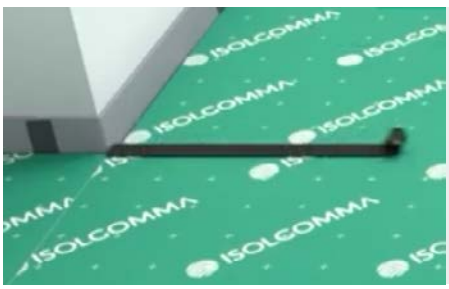
Apply the adhesive layer and lay the tiles. Then grout the joints and clean the tile surface



Bond the adhesive overlap edge, using the overlap lines as a guide

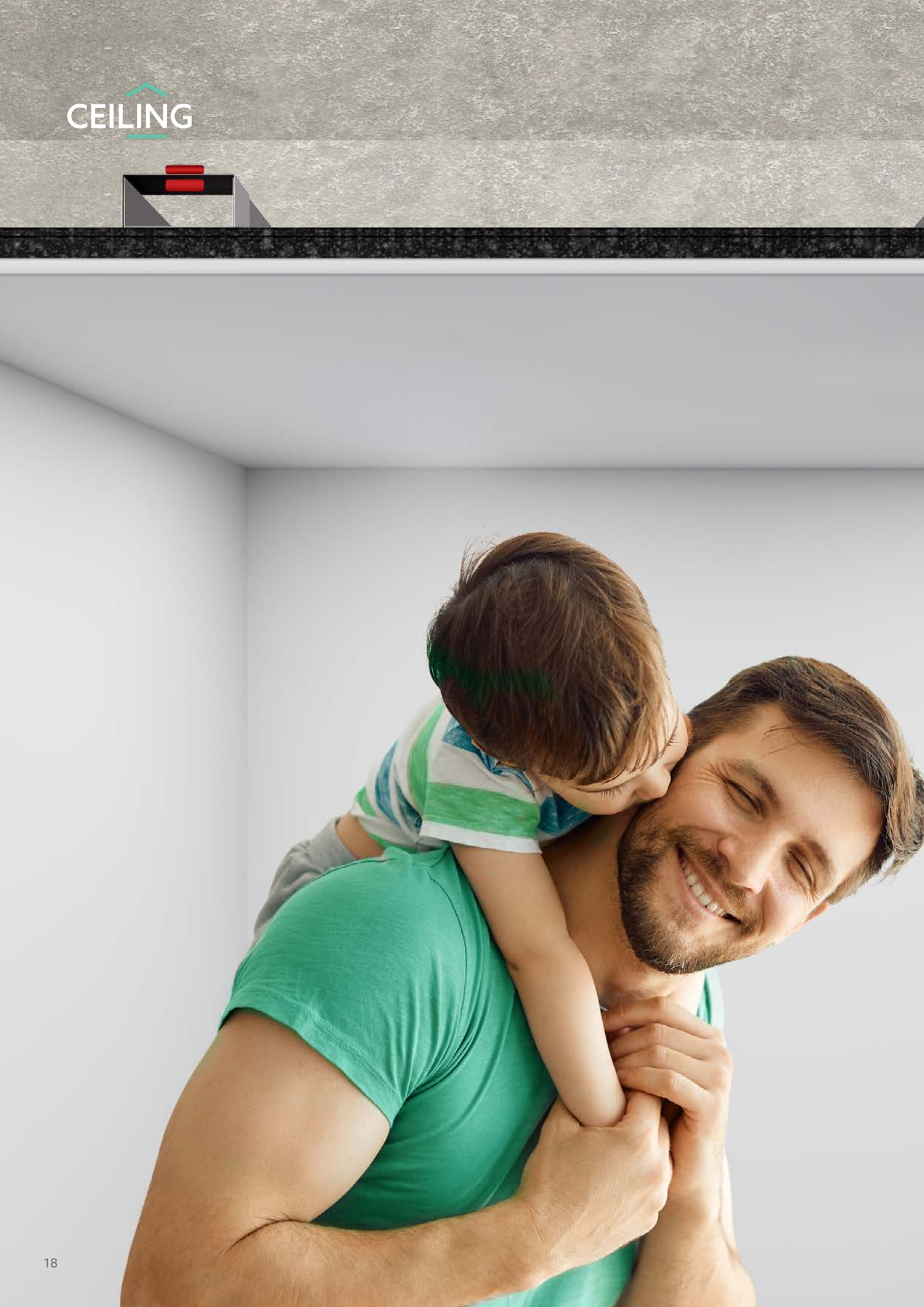


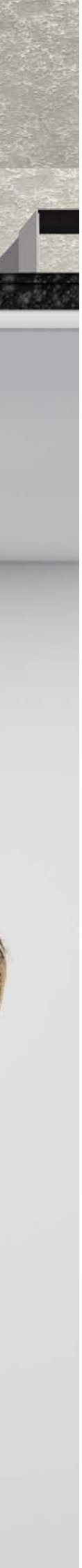
Cut the PROFYLE perimeter strip and remove the excess flush with the floor



Without the adhesive overlap edge, seal the joints with STIK HD tape. Check that the underlay is correctly installed and free from tears

CEILING





Sound insulation panels for acoustic insulation of the suspended ceiling.

Our upgraded suspended-ceiling solutions, particularly when combined with under-screed or underfloor systems, provide effective sound insulation across a wide frequency range, significantly reducing airborne and impact noise.

VOC FREE

Excellent environmental performance

90% RECYCLED

90% recycled material

CE

Certified quality

CEILING

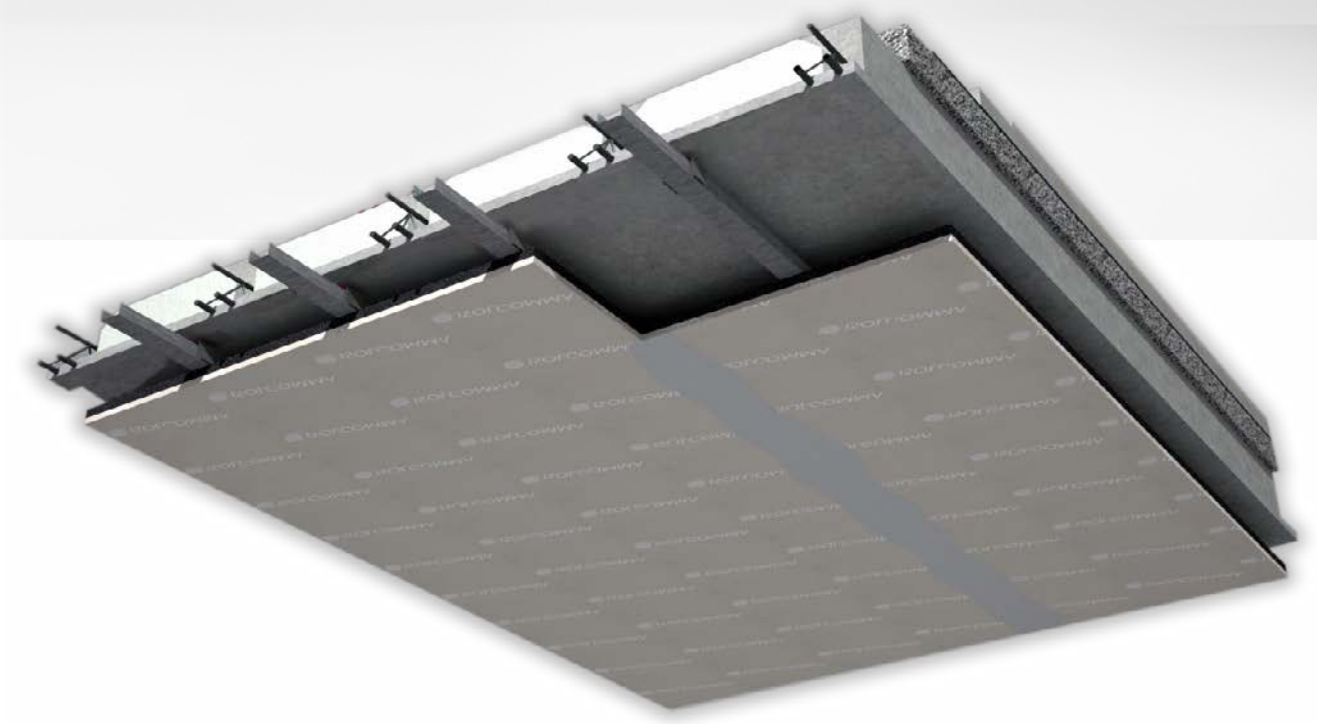
	pag.
FALSE	*20*
SUSPENDED	*24*

PRODUCT PANELS

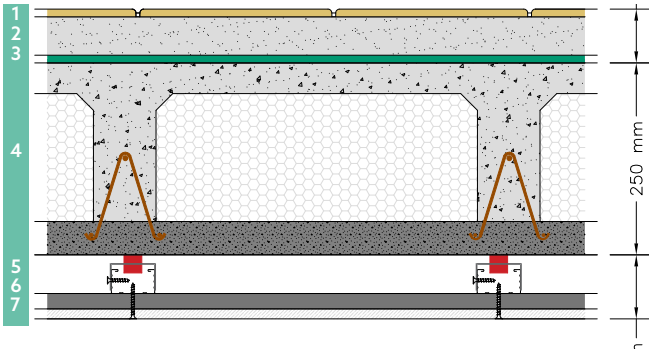
MUSTWALL 33B	High-performance acoustic insulation	*26*
MUSTWALL 18B	Acoustic insulation	*28*
FYBRO	Acoustic and thermal insulation	*30*
REDFIX	Antivibration connectors	*32*

Predalles slab

Solution for false ceiling



Initial condition	$L_{n,w}$ (dB)	R_w (dB)
Predalles	82	53
+		
False Ceiling	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	59	64
MUSTWALL 18B	65	62
+		
False Ceiling and Under Screed	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	45	66
MUSTWALL 18B	47	64

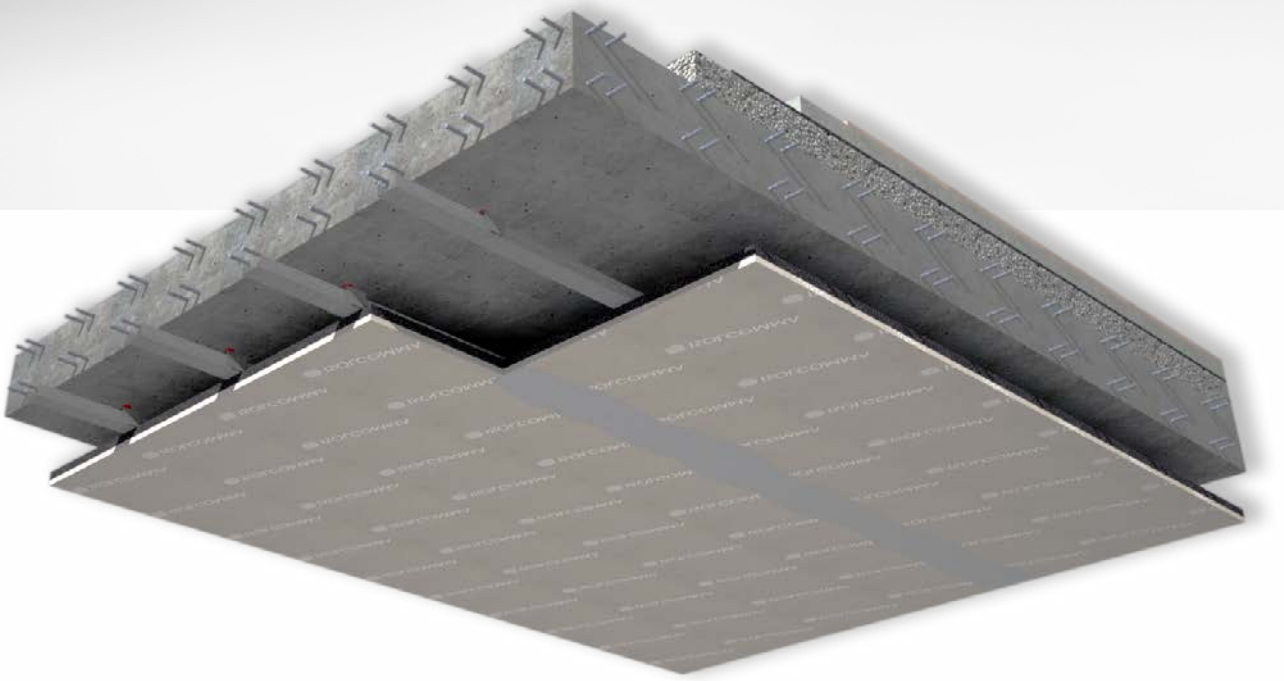


The Predalles slab is a widely used solution in residential and multi-storey buildings, thanks to its fast installation and good load-bearing capacity. From an acoustic point of view, however, its rigid structure can facilitate the transmission of impact noise. The use of a resilient layer beneath the screed helps decouple the floor layers, reducing the transmission of vibrations. This results in a significant improvement in acoustic comfort, while maintaining high performance even in existing buildings.

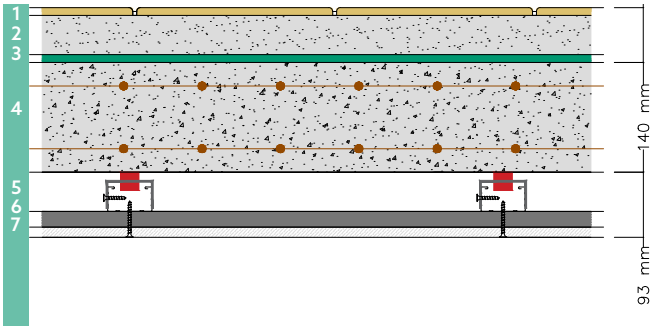
1. Ceramic flooring, th. 15 mm
2. Sand and cement bonded screed, th. 50 mm
3. Acoustic insulation in roll
4. Predalles slab, th. 140 mm
5. Anti-vibration brackets REDFIX C28
6. Steel profile 50/27/0.6
7. Acoustic insulation MUSTWALL B

Concrete slab

Solution for false ceiling



Initial condition	$L_{n,w}$ (dB)	R_w (dB)
Concrete slab	82	53
+		
False Ceiling	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	57	63
MUSTWALL 18B	61	61
+		
False Ceiling and Under Screed	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	47	64
MUSTWALL 18B	49	62

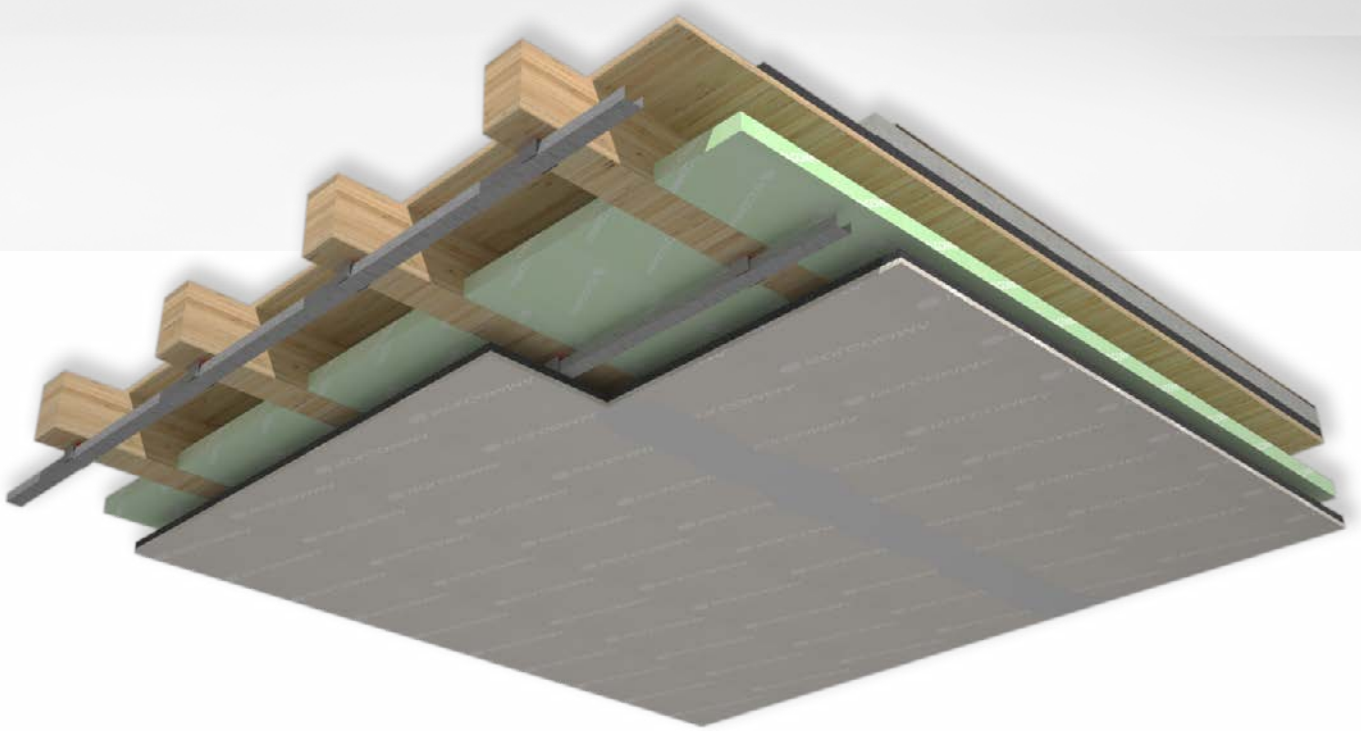


The reinforced concrete floor is increasingly used, especially for its structural performance. Thanks to its high mass, a reinforced concrete floor can already provide good acoustic performance. With properly engineered solutions, its sound insulation can be further enhanced to achieve high levels of acoustic comfort. With the application of an acoustic false ceiling, fixed with acoustic hangers and pre-assembled insulating boards, a disconnection is created, increasing the airborne and impact noise insulation in just a limited space.

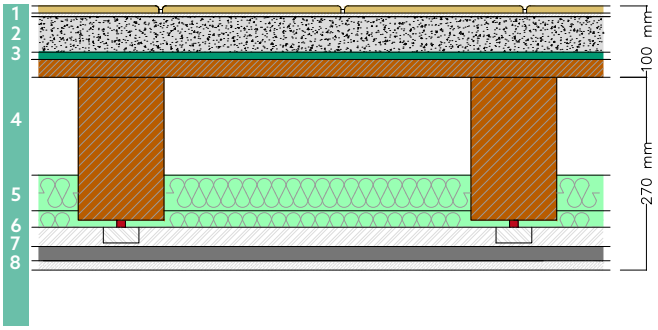
1. Ceramic flooring, th. 15 mm
2. Sand and cement bonded screed, th. 50 mm
3. Acoustic insulation in roll
4. Concrete slab, th. 140 mm
5. Anti-vibration brackets REDFIX C28
6. Steel profile 50/27/0.6
7. Acoustic insulation MUSTWALL B

Timber joists floor

Sound insulation below the beams



Initial condition	$L_{n,w}$ (dB)	R_w (dB)
Timber joists floor	93	27
+		
False Ceiling	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	56	59
MUSTWALL 18B	58	57
+		
False Ceiling and Under Screed	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	42	68
MUSTWALL 18B	44	67

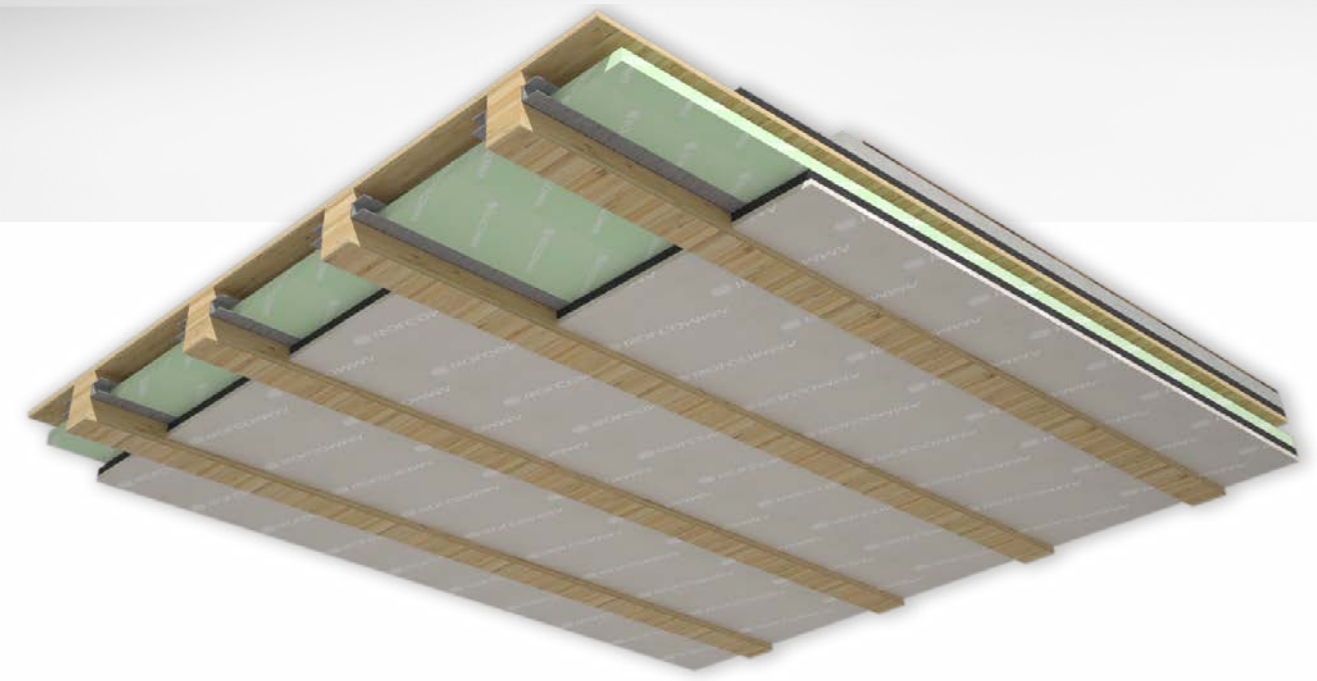


The timber joists floor has weak sound insulation properties, with a particularly critical behaviour at low frequencies. Together with an efficient acoustic treatment on top of the floor, the use of a false ceiling below the beams is crucial to reach the best insulation. The use of REDFIX acoustic hangers with Isolgomma pre-assembled acoustic boards, reduces footfall noise and significantly improves overall airborne sound insulation.

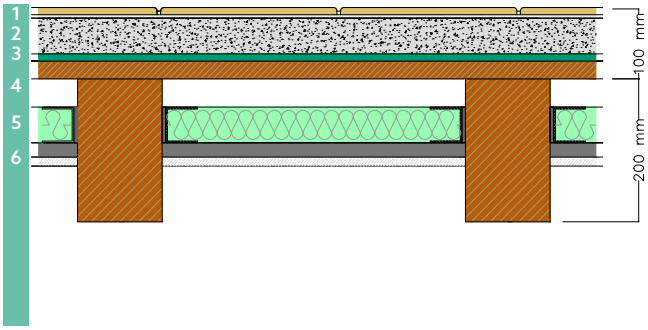
1. Ceramic flooring, th. 15 mm
2. Sand and cement bonded screed, th. 50 mm
3. Acoustic insulation in roll
4. Timber joists floor, th. 220 mm
5. Acoustic and thermal insulation FYBRO 50 double layer
6. Anti-vibration brackets REDFIX C28
7. Steel profile 50/27/0.6
8. Acoustic insulation MUSTWALL B

Timber joists floor

Sound insulation between the beams



Initial condition	$L_{n,w}$ (dB)	R_w (dB)
Timber joists floor	93	27
+		
False Ceiling	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	79	42
MUSTWALL 18B	81	40
+		
False Ceiling and Under Screed	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	54	62
MUSTWALL 18B	56	59

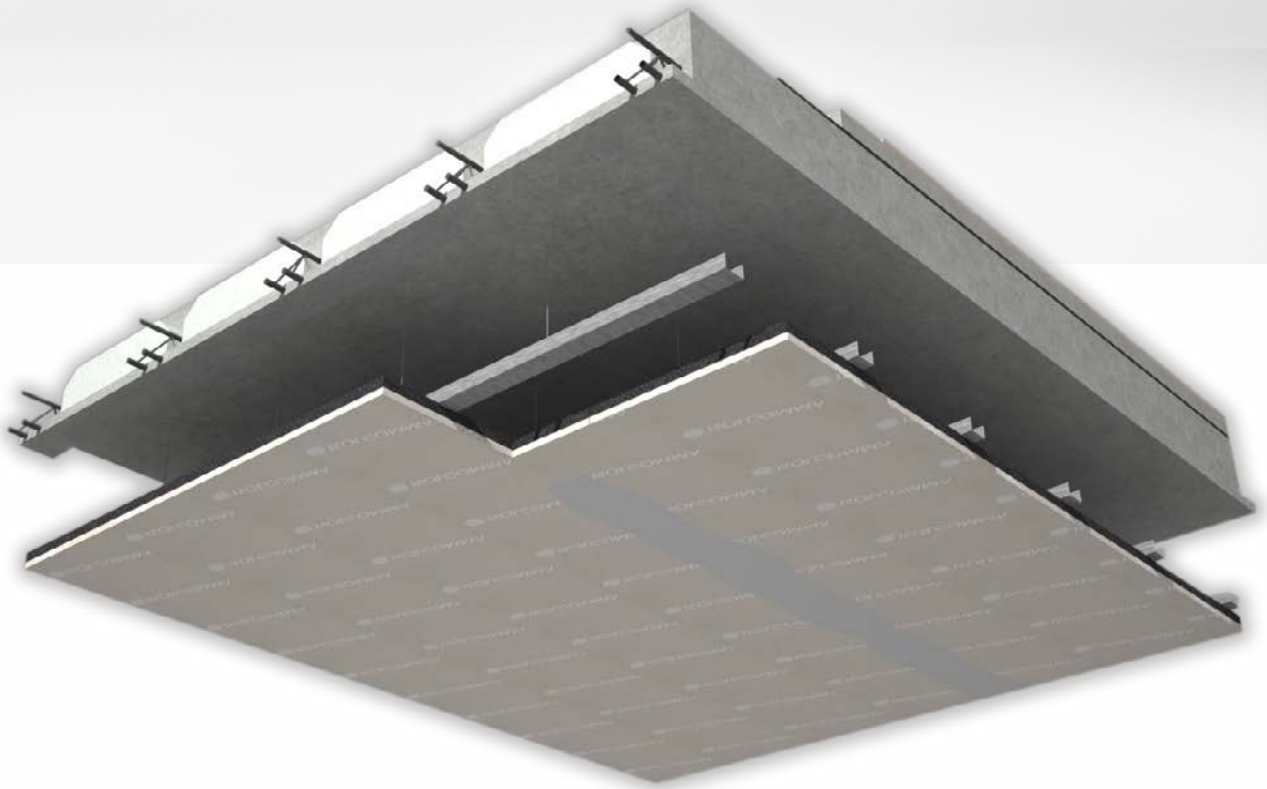


On an existent timber joist floor, improving the sound insulation with a full false ceiling is not always possible. However, where a full suspended ceiling cannot be installed, effective acoustic improvement can also be achieved by treating the spaces between the joists. Closing this space with Isolgomma pre-assembled acoustic boards and filling the cavity with sound absorbing polyester fiber panels, the overall acoustic insulation of the floor can significantly increase, with a minimal and pleasant solution.

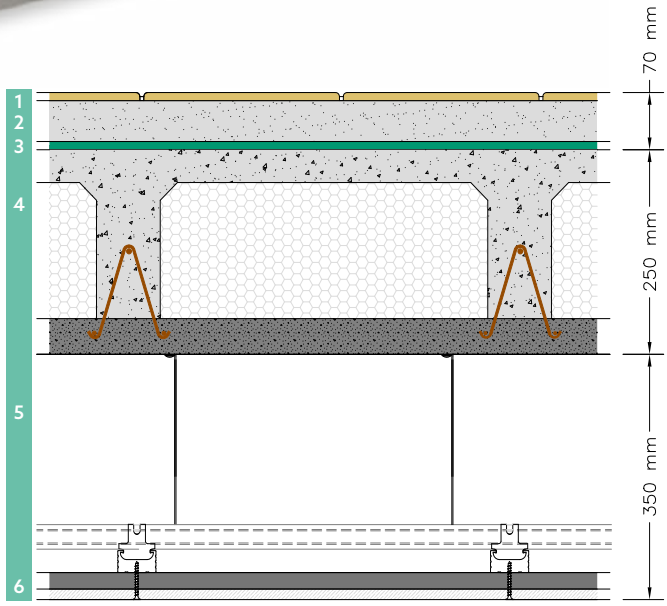
1. Ceramic flooring, th. 15 mm
2. Sand and cement bonded screed, th. 50 mm
3. Acoustic insulation in roll
4. Timber joists floor, th. 220 mm
5. Acoustic and thermal insulation FYBRO 50
6. Acoustic insulation MUSTWALL BB

Predalles slab

Solution for suspended ceiling



Initial condition	$L_{n,w}$ (dB)	R_w (dB)
Predalles slab	91	51
+		
False Ceiling	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	59	68
MUSTWALL 18B	63	65
+		
False Ceiling and Under Screed	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	41	69
MUSTWALL 18B	44	67

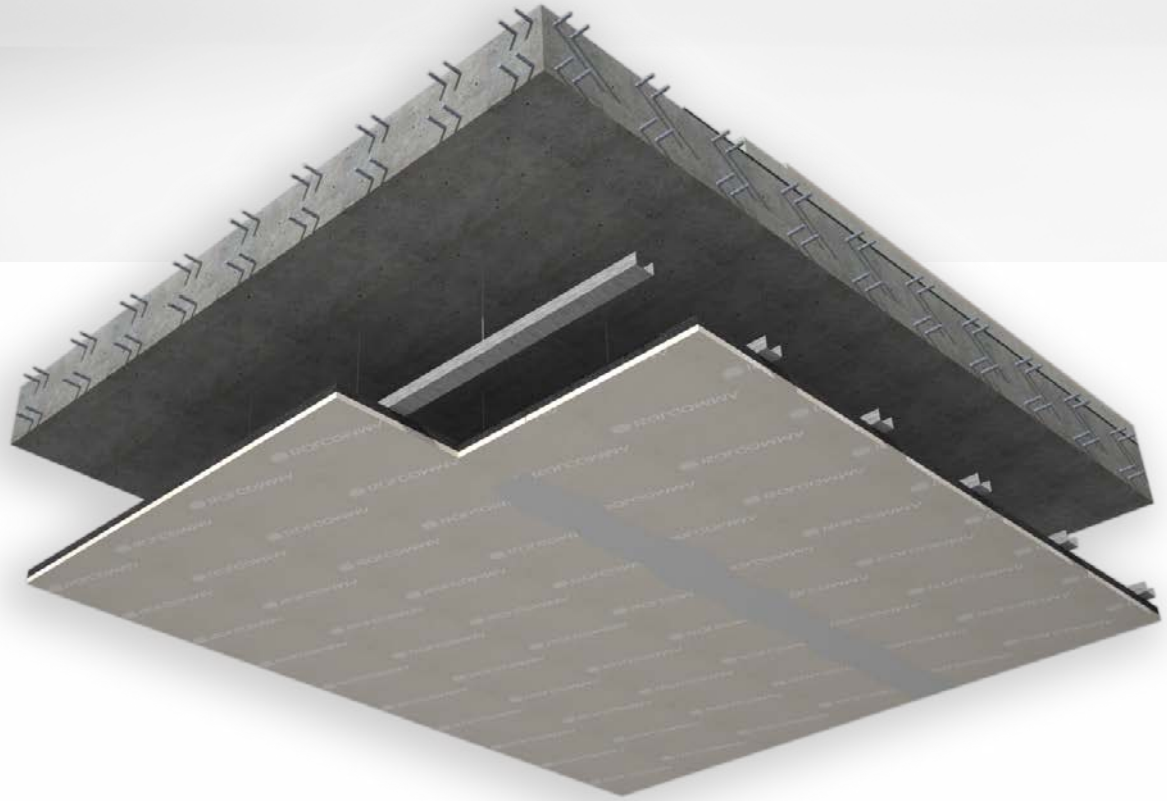


In predalles slab systems, the use of a suspended ceiling provides an effective and versatile solution. The cavity created between the structural slab and the ceiling allows services and ductwork to be easily accommodated, while also improving the overall appearance of the space. From an acoustic point of view, the suspended ceiling helps reduce sound transmission and improve indoor comfort, making spaces more functional, tidy and suitable for both new buildings and renovation projects.

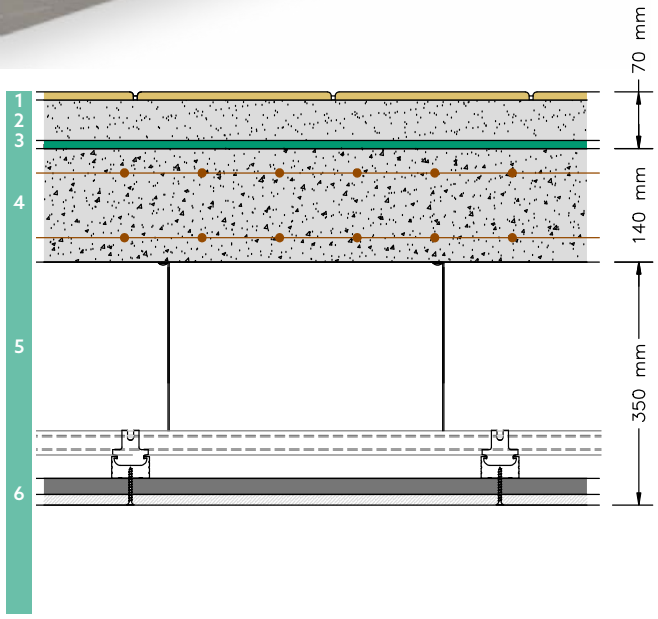
1. Ceramic flooring, th. 15 mm
2. Sand and cement bonded screed, th. 50 mm
3. Acoustic insulation in roll
4. Predalles slab, th. 250 mm
5. Suspension system
6. Acoustic insulation MUSTWALL B

Concrete slab

Solution for suspended ceiling



Initial condition	$L_{n,w}$ (dB)	R_w (dB)
CLS slab	82	53
+		
False Ceiling	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	57	63
MUSTWALL 18B	61	61
+		
False Ceiling and Under Screed	$L_{n,w}$ (dB)	R_w (dB)
MUSTWALL 33B	43	64
MUSTWALL 18B	45	62



In reinforced concrete floor slabs, which are typical of tertiary-sector buildings, it is essential to include a suspended ceiling. In addition to creating the space required for ducts and building services, this system helps improve aesthetics and reduce noise propagation. The suspended ceiling therefore plays a multifunctional role: it integrates building services, protects against acoustic disturbance and makes spaces more comfortable and orderly.

1. Ceramic flooring, th. 15 mm
2. Sand and cement bonded screed, th. 50 mm
3. Acoustic insulation in roll
4. Predalles slab, th. 140 mm
5. Suspension system
6. Acoustic insulation MUSTWALL B

Sound insulation panels **MUSTWALL 33B**

High-performance sound insulation

MUSTWALL 33B is a pre-coupled high-performance acoustic panel that combines practicality with fast installation. It consists of a low-density rubber sheet made from a special blend of recycled granules and fibres sourced from ELTs, coupled with a plasterboard panel.
Its versatility makes it ideal for renovation and acoustic remediation of existing environments, eliminating the need for demolition, masonry alterations or metal framing, with an effective, fast and sustainable result.

APPLICATION FIELDS

- Suitable for existing environments where masonry work cannot be carried out.
- Acoustic insulation with minimal thickness.

Technical features		**MUSTWALL 33B**
Thickness	mm	33
Dimensions	mm	1200 x 2000
Mass per unit area	kg/m³	19.5
Thermal resistance (R)	m² K/W	0.229
Reaction to fire	Class	B - s1, d0



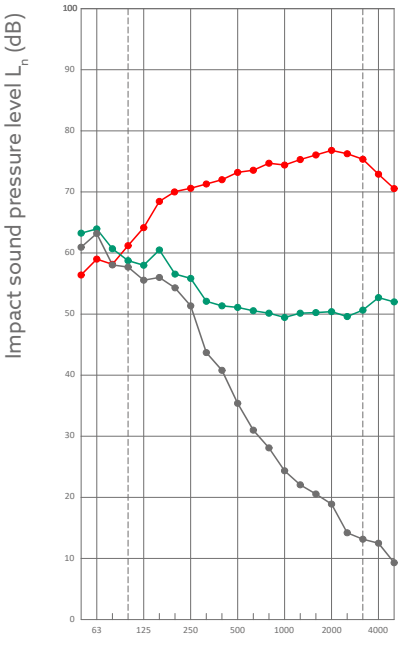




TECHNICAL DATA SHEET
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INSTALLATION INSTRUCTIONS
Watch the video

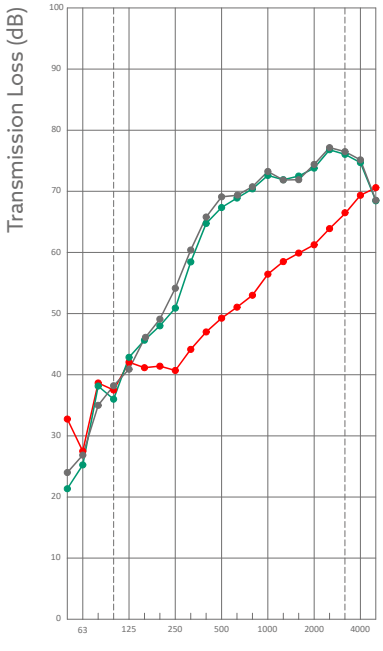
Impact sound insulation EN ISO 10140 and EN ISO 717-2



—— = bare
—— = False Ceiling
—— = False Ceiling + under screed

$L_{n,w}$ 82 dB
$L_{n,w}$ 57 dB
$L_{n,w}$ 47 dB

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



R_w 53 dB
R_w 63 dB
R_w 64 dB

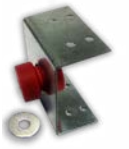
Fr Hz	Ln dB	R dB
100	55,6	41,6
125	56,7	41,5
160	55,3	46,1
200	51,6	48,1
250	46,3	56,7
315	42,6	63,3
400	35,6	72,2
500	30,2	75,1
630	27,4	77,6
800	27,6	76,9
1000	25,7	79,5
1250	21,6	78,7
1600	19,1	79,9
2000	19,1	81,1
2500	15,9	80,6
3150	10,1	78,6
4000	8,4	78,7
5000	9,4	72,5

Floor slab composition:

- 33 mm Suspended Ceiling MUSTWALL 33B fixed with REDFIX C50.
- 140 mm predalles slab.
- 10 mm impact sound insulation.
- 50 mm sand-cement screed.

Total thickness 233 mm

ACCESSORIES FOR INSTALLING PANELS



REDFIX C
Spacing see p.32

Sound insulation panels **MUSTWALL 18B**

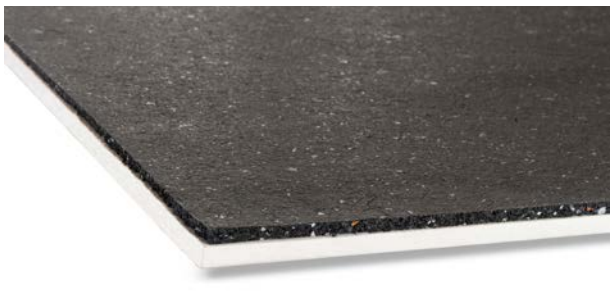
High-performance sound insulation

MUSTWALL 18B is a pre-coupled high-performance acoustic panel that is practical and quick to install. It consists of a low-density rubber sheet made from a special blend of recycled granules and fibres sourced from ELTs, coupled with plasterboard.
Ideal for renovation and acoustic remediation, it enables effective and minimally invasive interventions without demolition, masonry alterations or the use of metal framing.

APPLICATION FIELDS

- Suitable for existing environments where masonry work cannot be carried out.
- Acoustic insulation with minimal thickness.

Technical features		**MUSTWALL 18B**
Thickness	mm	18
Dimensions	mm	1200 x 2000
Mass per unit area	kg/m³	14.5
Thermal resistance (R)	m² K/W	0.127
Reaction to fire	Class	B - s1, d0



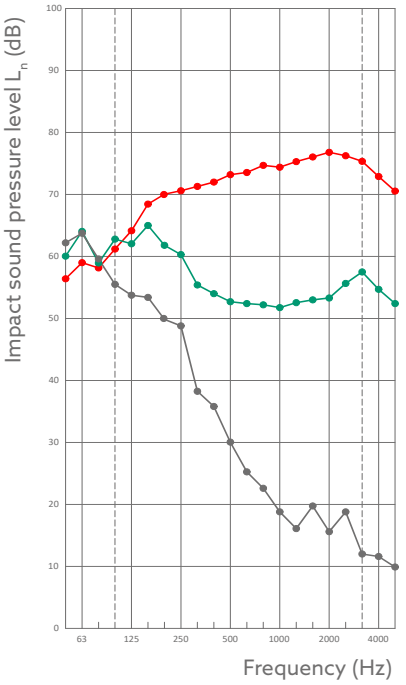




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INSTALLATION INSTRUCTIONS
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Impact sound insulation EN ISO 10140 and EN ISO 717-2



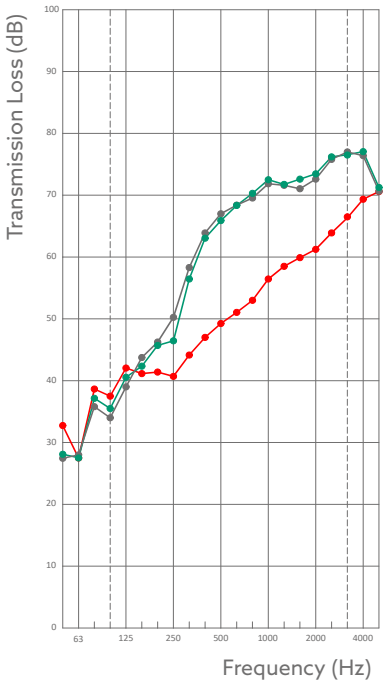
—— = bare
—— = False Ceiling
—— = False Ceiling + under screed

$L_{n,w}$ 82 dB

$L_{n,w}$ 61 dB

$L_{n,w}$ 49 dB

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



R_w 53 dB

R_w 61 dB

R_w 62 dB

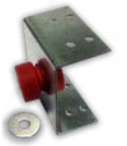
Fr Hz	Ln dB	R dB
100	57,2	37,7
125	57,8	39,3
160	56,7	44,9
200	53,2	46,3
250	46,6	55,0
315	45,5	60,2
400	35,0	72,4
500	27,0	78,5
630	25,8	80,8
800	25,9	79,5
1000	24,4	82,3
1250	20,1	82,9
1600	17,2	83,9
2000	16,9	84,4
2500	19,5	81,7
3150	15,4	82,8
4000	6,0	88,5
5000	1,5	82,0

Floor slab composition:

- 18 mm Suspended Ceiling MUSTWALL 18B fixed with REDFIX C50.
- 140 mm predalles slab.
- 10 mm impact sound insulation.
- 50 mm sand-cement screed.

Total thickness 218 mm

ACCESSORIES FOR INSTALLING PANELS



REDFIX C
Spacing see p.32

Sound insulation panels **FYBRO**

Acoustic and thermal insulation

FYBRO is a thermal-acoustic insulation panel made from regenerated polyester fibre, ideal for lightweight walls and suspended ceilings. Its completely hypoallergenic composition, free from dust and harmful substances, makes it safe for health. It is unaffected by humidity and resistant to microorganisms, mould and insects, ensuring long-lasting durability. Its light weight and compact dimensions make installation easier, reducing installation time and costs, even in standard plasterboard structures.

APPLICATION FIELDS

- Thermal-acoustic insulation in suspended ceilings.
- Suitable for low-thickness ceilings.
- Can be used in multiple layers

Technical features		FYBRO 30	FYBRO 50
Thickness	mm	30	50
Dimensions	mm	600 x 1000	
Density	kg/m²	40	
Thermal conductivity coefficient (λ)	W/m^{K}	0.036	



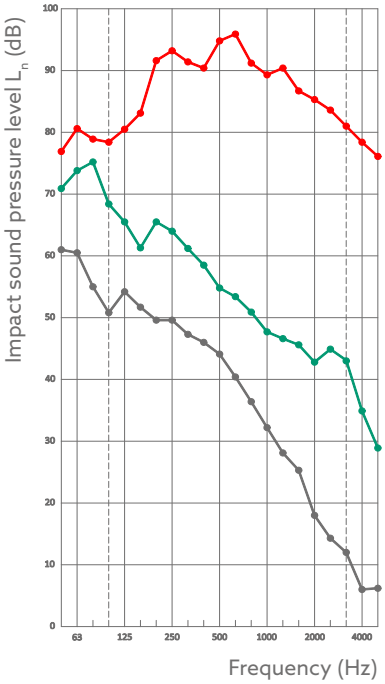




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INSTALLATION INSTRUCTIONS
Watch the video

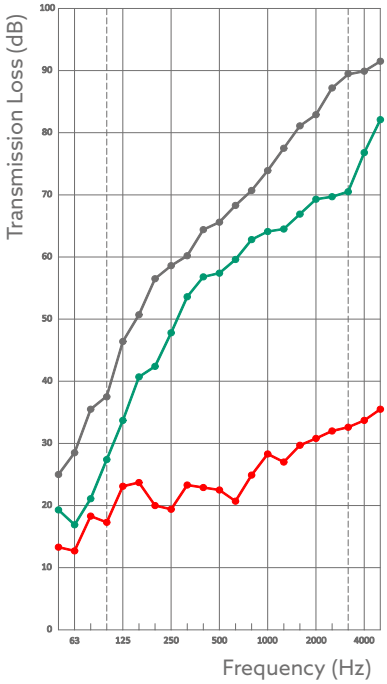
Impact sound insulation EN ISO 10140 and EN ISO 717-2



= bare
= False Ceiling
= False Ceiling + under screed

$L_{n,w}$ 93 dB
$L_{n,w}$ 58 dB
$L_{n,w}$ 44 dB

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



R_w 27 dB
R_w 57 dB
R_w 67 dB

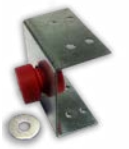
Fr Hz	Ln dB	R dB
100	50,8	37,6
125	54,2	46,4
160	51,7	50,7
200	49,6	56,5
250	49,6	58,6
315	47,3	60,2
400	46,0	64,4
500	44,1	65,6
630	40,4	68,3
800	36,4	70,7
1000	32,2	73,9
1250	28,1	77,5
1600	25,3	81,1
2000	18,0	82,9
2500	14,3	87,2
3150	12,0	89,4
4000	6,0	89,9
5000	6,2	91,5

Floor slab composition:

- 18 mm Suspended Ceiling MUSTWALL 18B fixed with REDFIX C50
- 50 mm FYBRO 50 double layer
- 220 mm timber beam and board floor.
- 10 mm impact sound insulation.
- 50 mm sand-cement screed

Total thickness 350 mm

ACCESSORIES FOR INSTALLING PANELS



REDFIX C
Spacing see p.32

Anti-vibration brackets **REDFIX C**

Anti-vibration connectors

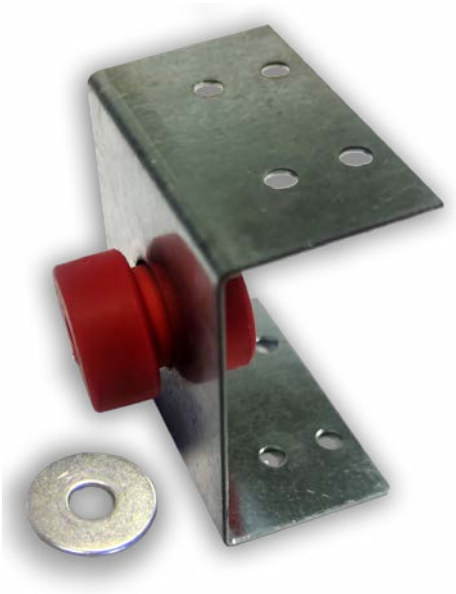
REDFIX C are brackets for decoupling plasterboard profiles. They are fixed to the ceiling and provide complete separation between the supporting metal structure and the coupled panels closing the suspended ceiling. Their function is to prevent the transmission of vibrations and noise between the structural floor and the suspended system.

APPLICATION FIELDS

- Suitable for existing environments where masonry work cannot be carried out.
- Acoustic insulation with minimal thickness.

Technical characteristics		REDFIX C		
		C28	**C50**	**C100**
Vibration support thickness	mm	10		
Dimensions	mm	50 x 50		
Length	mm	28	50	100

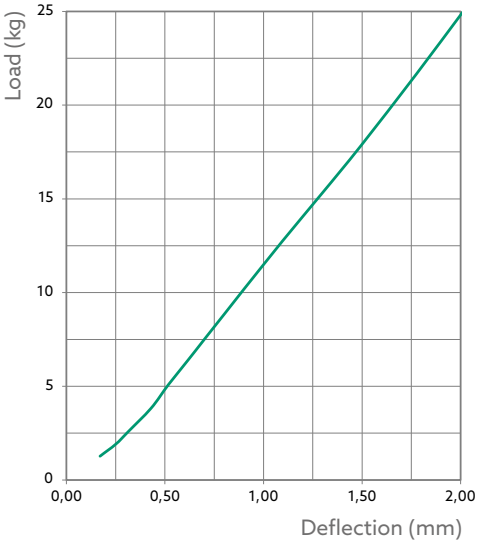




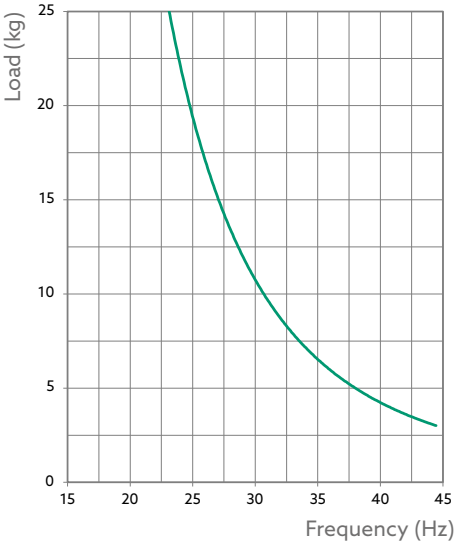
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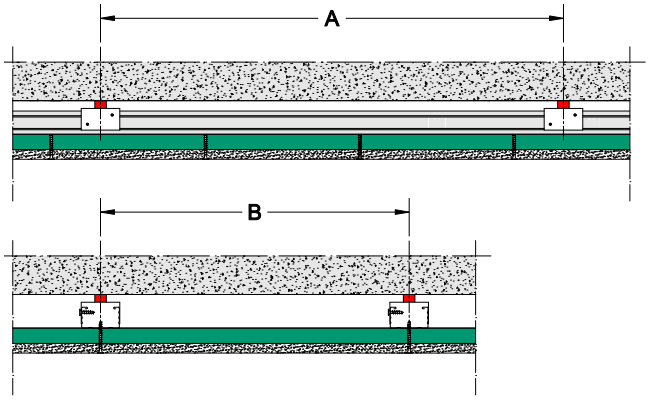
INSTALLATION INSTRUCTIONS
Watch the video

Natural frequency



Compression behaviour





Distance between suspension points - frame spacing

Load class		SPACING REDFIX(A)	SPACING REDFIX(B)
up to 15 kg/m²	mm	1000	400
up to 30 kg/m²	mm	900	400
up to 50 kg/m²	mm	750	400

INSTALLATION INSTRUCTIONS

How to install our acoustic insulation for ceiling



Installation guidelines for our sound insulation panels in false ceiling systems.



Fix the tracks around the upper perimeter of the room



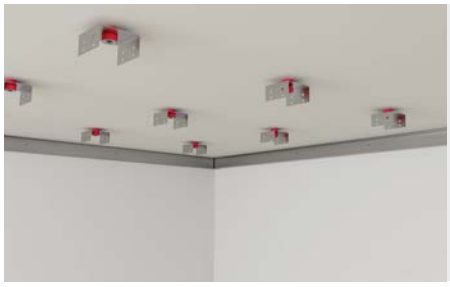
Place the panel against the metal profiles



Drill the ceiling and secure the REDFIX C insulating hanger



Secure the panel with plasterboard screws



The spacing of the profiles and REDFIX C hangers must be determined according to the loads and the floor structure



Install the FYBRO panel where required



Fix the metal profiles



Apply mesh tape to the panel joints. Fill the joints



Installation guidelines for our suspended sound insulation panels.



Fix the tracks around the upper perimeter of the room



Place and secure the insulation panel to the metal frame



Install the hangers. For hollow-brick and concrete floors, secure the hangers to the joists



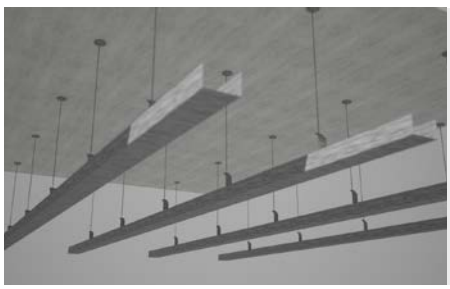
Secure the panel with plasterboard screws



The profile spacing must be determined according to the loads and the floor structure



Install the FYBRO panel where required



Secure the main profiles and metal frame using the appropriate hooks



Apply mesh tape to the panel joints. Fill the joints

SINGLE WALL





Sound-insulating panels for the acoustic insulation of single walls.

The high sound-insulating performance of our panels allows effective control across all frequencies, providing high levels of acoustic performance and helping meet the requirements applicable to different building types and national regulations.

Excellent environmental performance

90% recycled material

Certified quality

WALLS

	pg.
BRICK WALL - Solution 1	38
CELLULAR CONCRETE WALL - Solution 1	39
BRICK WALL - Solution 2	40
CELLULAR CONCRETE WALL - Solution 2	41
CELLULAR CONCRETE WALL - Solution 3	42
CELLULAR CONCRETE WALL - Solution 3	43

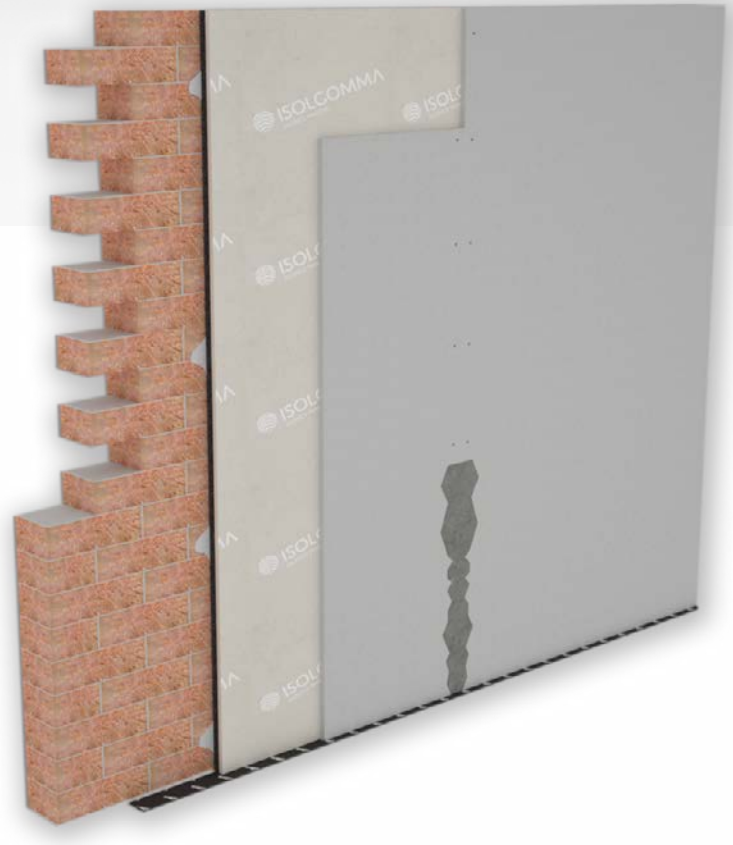
PRODUCTS

PANELS

MUSTWALL 33B	High-performance acoustic insulation	44
REWALL 40	High-performance acoustic and thermal insulation	46
MUSTWALL 18B	Acoustic insulation	48

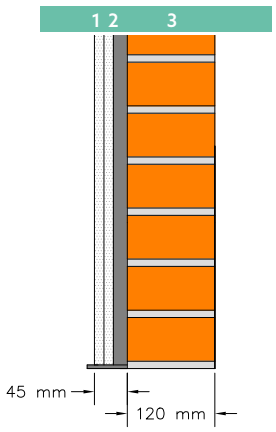
Brick wall 120 mm

Solution for historic buildings



Initial condition	R_w (dB)
Wall	42

Final condition	R_w (dB)
MUSTWALL 33B	54



Wall lining is an effective solution for historic buildings constructed with solid brick. Although the high mass of the masonry already provides good acoustic performance, this is not sufficient to ensure compliance with regulatory values. Adding a thin elastic material combined with a pre-finished plasterboard panel significantly improves acoustic insulation without taking up too much space. Where even higher performance is required, the lining can be applied to both sides of the masonry wall.

1. Plasterboard layer 12.5 mm th.
2. MUSTWALL 33B acoustic insulation panel
3. Brick wall 120 mm th.

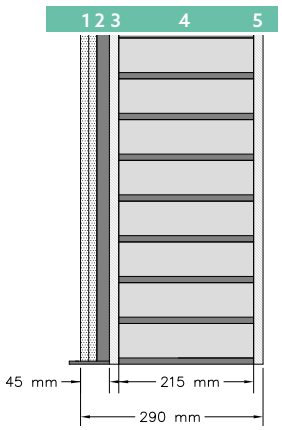
Cellular concrete 215 mm

Solution for existing structures



Initial condition	R_w (dB)
Wall	49

Final condition	R_w (dB)
MUSTWALL 33B	60

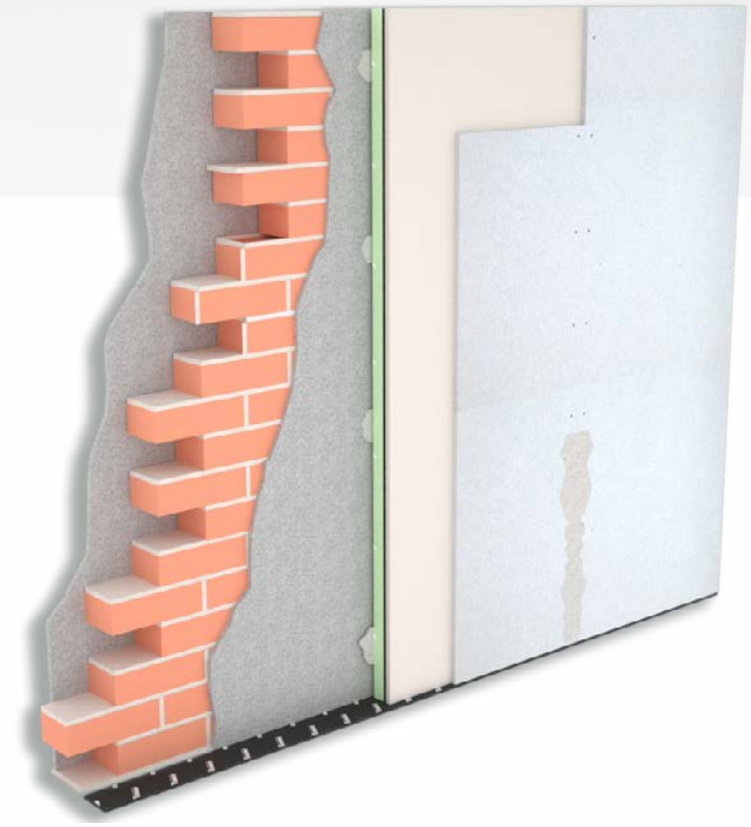


Concrete block walls are commonly used in residential, commercial and industrial buildings, where sound transmission between adjoining spaces can sometimes be an issue. Their rigid structure may allow the passage of frequencies typically associated with speech and everyday indoor activities.
Adding an acoustic lining helps improve the sound insulation of the existing wall, reducing noise transmission and enhancing privacy and acoustic comfort.

1. Plasterboard layer, 12.5 mm th.
2. MUSTWALL 33B acoustic insulation panel
3. Plaster, 15 mm th.
4. Cellular concrete wall, 215 mm th.
5. Plaster, 15 mm th.

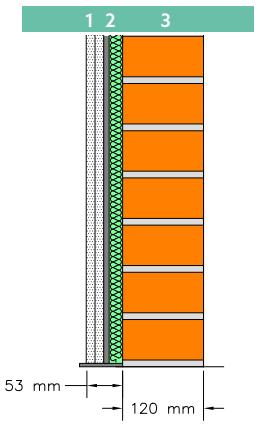
Brick wall 120 mm

Wall lining in traditional construction



Initial condition	R_w (dB)
Wall	42

Final condition	R_w (dB)
REWALL 40	57



Solid brick walls, widely used in traditional construction and especially in buildings erected during the last century, generally provide good acoustic performance due to their high mass. However, they may not always be sufficient to meet current acoustic comfort requirements. Applying an acoustic lining finished with plasterboard helps improve airborne sound insulation, reducing the transmission of voices, television and everyday noise, while adding only limited thickness to the existing wall.

1. Plasterboard layer 12.5 mm th.
2. REWALL 40 acoustic insulation panel
3. Brick wall 120 mm th.

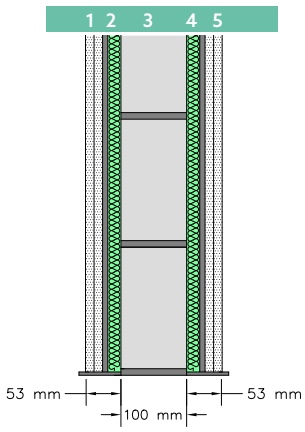
Cellular concrete wall 100 mm

Double wall living



Initial condition	R_w (dB)
Wall	33

Final condition	R_w (dB)
REWALL 40	61



Lightweight cellular concrete walls may provide insufficient acoustic performance, particularly when separating adjacent rooms or residential units. Applying an acoustic lining on both sides, finished with plasterboard layers, helps reduce airborne sound transmission, such as voices, television and everyday activities, improving acoustic comfort while keeping the overall wall thickness limited.

1. Plasterboard layer 12.5 mm th.
2. REWALL 40 acoustic insulation panel
3. Cellular concrete wall, 100 mm th.
4. REWALL 40 acoustic insulation panel
5. Plasterboard layer 12.5 mm th.

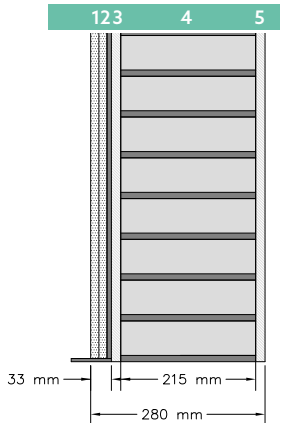
Cellular concrete wall 215 mm

Solution for existing structures



Initial condition	R_w (dB)
Wall	49

Final condition	R_w (dB)
MUSTWALL 18B	55

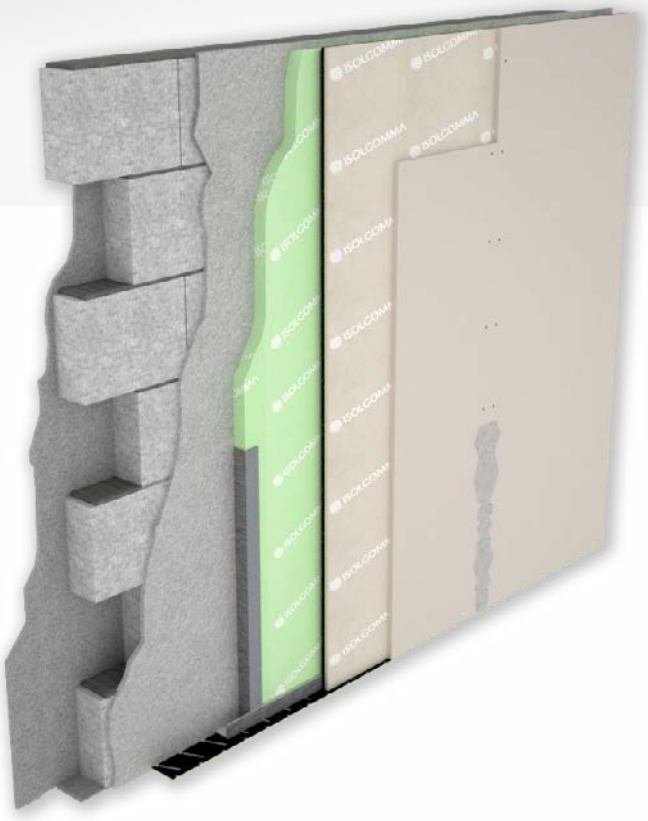


When space is limited, improving the acoustic performance of an existing concrete block wall requires a solution that combines effectiveness with a reduced build-up.
A slim acoustic lining can help limit sound transmission between adjoining spaces while minimising the impact on the overall wall thickness. This makes it particularly suitable for refurbishment projects or interiors where preserving usable floor space is an important design requirement.

1. Plasterboard layer, 12.5 mm th.
2. MUSTWALL 18B acoustic insulation panel
3. Plaster, 15 mm th.
4. Cellular concrete wall, 215 mm th.
5. Plaster, 15 mm th.

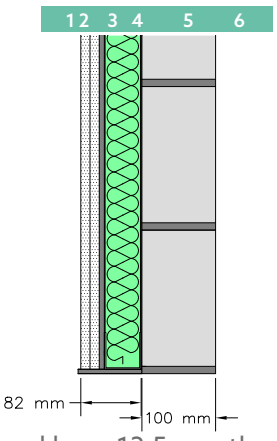
Cellular concrete wall

Combination of wall linings



Initial condition	R_w (dB)
Wall	33

Final condition	R_w (dB)
MUSTWALL 18B	60



For acoustically weak walls, or where a significant increase in airborne sound insulation is required, the ideal solution is a metal frame with fibrous material combined with rubber-plasterboard coupled panels. This combination acts effectively over a wide frequency range, providing high acoustic insulation against both low- and high-frequency noise. The result is a quieter, more comfortable environment, ideal for improving quality of life or for spaces dedicated to high-quality audio.

1. Plasterboard layer 12.5 mm th.
2. MUSTWALL 18B acoustic insulation panel
3. FYBRO 50 acoustic and thermal insulation
4. Cellular concrete wall, 100 mm th.

Sound insulation panels **MUSTWALL 33B**

High-performance sound insulation

MUSTWALL 33B is a pre-coupled high-performance acoustic panel that combines practicality with fast installation. It consists of a low-density rubber sheet made from a special blend of recycled granules and fibres sourced from ELTs, coupled with a plasterboard panel.
Its versatility makes it ideal for renovation and acoustic remediation of existing environments, eliminating the need for demolition, masonry alterations or metal framing, with an effective, fast and sustainable result.

APPLICATION FIELDS

- Suitable for existing environments where masonry work cannot be carried out.
- Acoustic insulation with minimal thickness.

Technical features		**MUSTWALL 33B**
Thickness	mm	33
Dimensions	mm	1200 x 2000
Mass per unit area	kg/m³	19.5
Thermal resistance (R)	m² K/W	0.229
Reaction to fire	Class	B - s1, d0



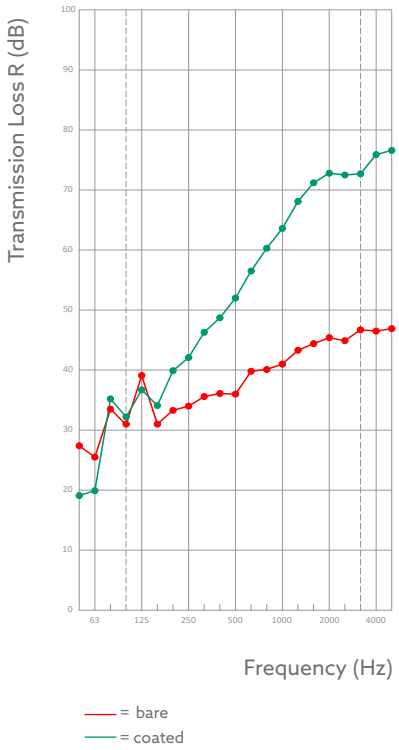




TECHNICAL DATA SHEET
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INSTALLATION INSTRUCTIONS
Watch the video

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



Fr Hz	Bare R dB	Coated R dB
100	30,9	32,2
125	39,1	36,7
160	31,0	34,1
200	33,3	39,9
250	34,0	42,1
315	35,6	46,3
400	36,1	48,7
500	36,0	52,0
630	39,8	56,5
800	40,1	60,3
1000	41,0	63,6
1250	43,3	68,1
1600	44,4	71,2
2000	45,4	72,8
2500	44,9	72,5
3150	46,7	72,7
4000	46,5	75,9
5000	46,9	76,6

R_w 42 dB

R_w 54 dB

Laboratory measurement of the acoustic insulation elements of the standard building.

Measurement of the airborne sound insulation.

Description test bare wall:
• 120 mm brick wall

Total thickness 120 mm

Description test coated wall:
• 120 mm brick wall
• 33 mm MUSTWALL 33B
• 12.5 mm plasterboard layer

Total thickness 165 mm

ACCESSORIES FOR INSTALLING PANELS



LONG FIXING AND WASHER



GLUE
5 kg/m² per panel
10/15 pcs/m²



DOUBLE-THREAD SCREEW



STYWALL

Sound insulation panels **REWALL 40**

High-performance acoustic and thermal insulation

REWALL 40 is a pre-coupled high-performance thermal-acoustic panel that is quick and easy to install. Made from polyester fibre, high-density rubber sourced from ELTs and plasterboard, it provides an excellent combination of acoustic and thermal insulation.
REWALL 40 is ideal for renovation and acoustic remediation in existing environments, without demolition, masonry alterations or metal framing, providing immediate comfort and professional results in residential or working spaces.

APPLICATION FIELDS

- Thermal and acoustic insulation of partition walls and ceilings between residential units.
- Suitable for existing environments where masonry work cannot be carried out.
- Lining of existing walls without the traditional metal frame.

Technical features		**REWALL 40**
Thickness	mm	40
Dimensions	mm	1200 x 2000
Mass per unit area	kg/m³	18.0
Thermal resistance (R)	m² K/W	0.761
Reaction to fire	Class	B - s1, d0



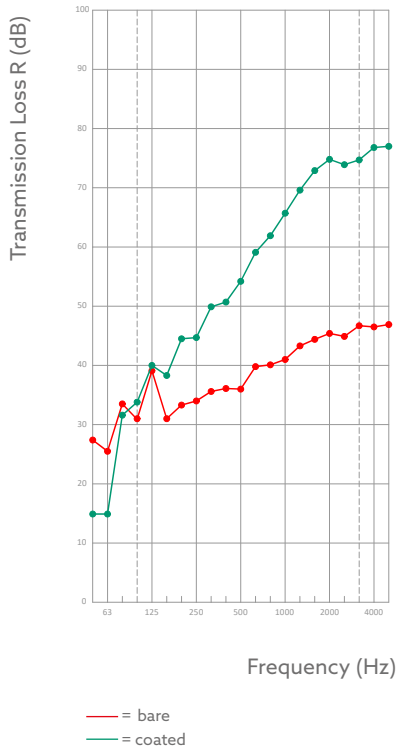




TECHNICAL DATA SHEET
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INSTALLATION INSTRUCTIONS
Watch the video

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



Fr Hz	Bare R dB	Coated R dB
100	30,9	33,8
125	39,1	40,0
160	31,0	38,3
200	33,3	44,5
250	34,0	44,7
315	35,6	49,9
400	36,1	50,7
500	36,0	54,2
630	39,8	59,1
800	40,1	61,9
1000	41,0	65,7
1250	43,3	69,6
1600	44,4	72,9
2000	45,4	74,8
2500	44,9	73,9
3150	46,7	74,7
4000	46,5	76,8
5000	46,9	77,0

R_w 42 dB

R_w 57 dB

Laboratory measurement of the acoustic insulation elements of the standard building.

Measurement of the airborne sound insulation.

Description test bare wall:
• 120 mm brick wall

Total thickness 120 mm

Description test coated wall:
• 120 mm brick wall
• 40 mm REWALL 40
• 12.5 mm plasterboard layer

Total thickness 173 mm

ACCESSORIES FOR INSTALLING PANELS



LONG FIXING AND WASHER



GLUE
5 kg/m² per panel
10/15 pcs/m²



DOUBLE THREAD SCREEW



STYWALL

Sound insulation panels **MUSTWALL 18B**

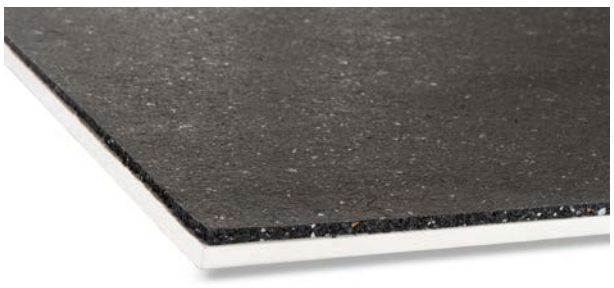
High-performance sound insulation

MUSTWALL 18B is a pre-coupled high-performance acoustic panel that is practical and quick to install. It consists of a low-density rubber sheet made from a special blend of recycled granules and fibres sourced from ELTs, coupled with plasterboard.
Ideal for renovation and acoustic remediation, it enables effective and minimally invasive interventions without demolition, masonry alterations or the use of metal framing.

APPLICATION FIELDS

- Suitable for existing environments where masonry work cannot be carried out.
- Acoustic insulation with minimal thickness.

Technical features		**MUSTWALL 18B**
Thickness	mm	18
Dimensions	mm	1200 x 2000
Mass per unit area	kg/m³	14.5
Thermal resistance (R)	m² K/W	0.127
Reaction to fire	Class	B - s1, d0

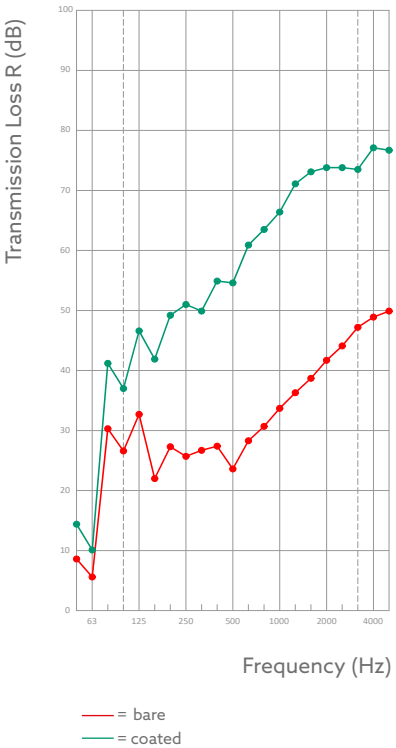




TECHNICAL DATA SHEET
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INSTALLATION INSTRUCTIONS
Watch the video

Airborne sound insulation EN ISO 10140 and EN ISO 717-1



Fr Hz	Bare R dB	Coated R dB
100	26,6	37,2
125	32,7	46,6
160	22,0	41,9
200	27,3	49,2
250	25,7	51,0
315	26,7	49,9
400	27,4	54,9
500	23,6	54,6
630	28,3	60,9
800	30,7	63,5
1000	33,7	66,4
1250	36,3	71,1
1600	38,7	73,1
2000	41,7	73,8
2500	44,1	73,8
3150	47,2	73,5
4000	48,9	77,1
5000	49,9	76,7

R_w 33 dB

R_w 60 dB

Laboratory measurement of the acoustic insulation elements of the standard building.

Measurement of the airborne sound insulation.

Description test bare wall:
- 100 mm aerated concrete block wall

Total thickness 120 mm

Description test coated wall:
- 100 mm aerated concrete block wall
- 50 mm FYBRO 50 inside metal frame
- 20 mm MUSTWALL 18B
- 12.5 mm plasterboard layer

Total thickness 183 mm

ACCESSORIES FOR INSTALLING PANELS



LONG FIXING AND WASHER



GLUE
5 kg/m² per panel
10/15 pcs/m²



DOUBLE THREAD SCREEW



STYWALL

INSTALLATION INSTRUCTIONS

How to install our acoustic insulation for dry walls

Installation instructions for our MUSTWALL 33B and REWALL 40 sound insulation panels



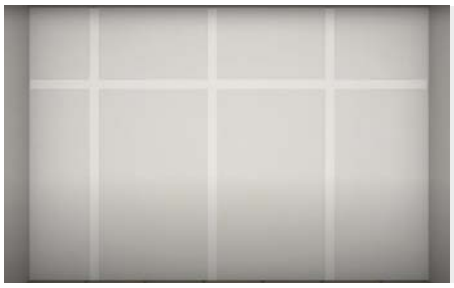
Prepare the wall for panel installation by removing any paint. Install the under-wall strip



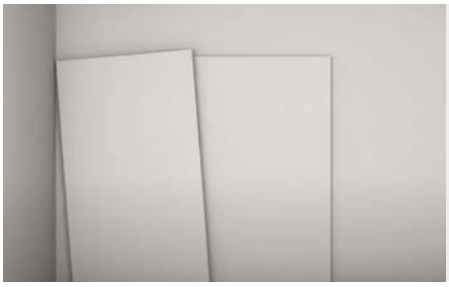
Fix the second plasterboard panel at the centre and sides using suitable double-thread screws, staggering the panels, or use adhesive



Apply Knauf PERLFIX adhesive in dabs to the panel on the floor, or SELENA TITANS 60s polyurethane foam



Apply mesh tape to the panel joints. Fill the joints



Bond the panel to the wall with light pressure



Fix two safety anchors at the top of the panel



Installation instructions for our MUSTWALL 18B sound insulation panels



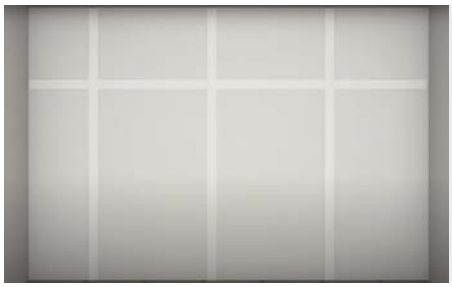
Prepare the wall for panel installation by removing any paint. Install the under-wall strip



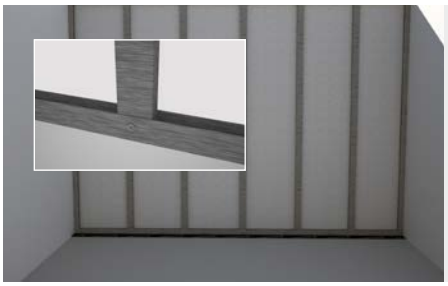
Fix the MUSTWALL 18B acoustic panel to the metal profiles to close the wall



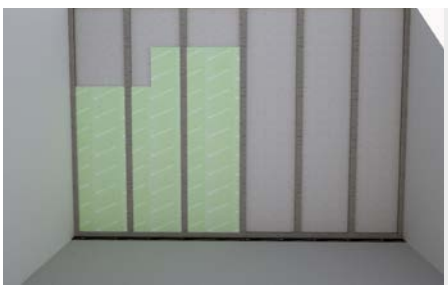
Fix the tracks to the floor, wall and ceiling



Apply mesh tape to the panel joints. Fill the joints



Insert the metal profiles and secure them to the tracks



Insert the FYBRO thermal-acoustic panel between the profiles





Sound insulation panels for the acoustic insulation of plasterboard walls.

When properly completed with our solutions, plasterboard walls can provide excellent acoustic performance a fundamental requirement especially for partition walls between apartments, hotel rooms, meeting rooms or offices.

VOC FREE

Excellent environmental performance

WALLS

	pg.
WITH CAVITY	54
WITHOUT CAVITY	55

PRODUCT PANELS

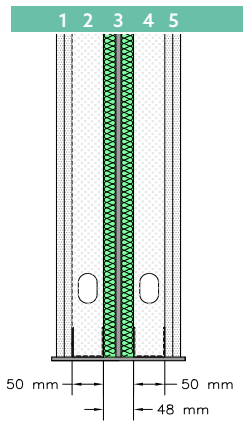
TRYWALL	Acoustic and thermal insulation	56

Wall with air cavity

Solution for separating residential units



Product	R_w (dB)
TRYWALL	60



The plasterboard wall is the ideal solution because it combines fast installation, easy management of building services and high acoustic performance. When completed with Isolgomma acoustic products, this solution provides excellent acoustic insulation depending on the intended use — a key requirement for separations between apartments, hotel rooms, meeting rooms or offices — ensuring comfort, privacy and well-being.

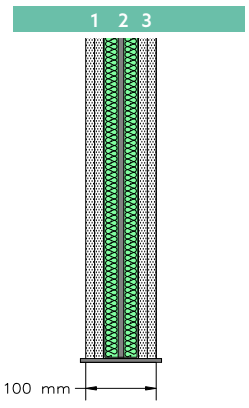
1. Double 12.5 mm plasterboard layer, total th. 25 mm
2. Air cavity with metal frame for plasterboard, th. 50 mm
3. TRYWALL thermal-acoustic insulation
4. Air cavity with metal frame for plasterboard, th. 50 mm
5. Double 12.5 mm plasterboard layer, total th. 25 mm

Wall without air cavity

Solution for internal partitions



Product	R_w (dB)
TRYWALL	54



When creating partition walls between offices or in contexts where privacy, acoustic comfort and confidentiality are essential, the space available for the wall is often limited.
In these cases, a slim metal frame is combined with high-performance materials installed in the cavity to achieve the maximum possible acoustic and thermal insulation.
This solution combines high performance, light weight and minimal space requirements, making the environment functional and comfortable even in limited spaces.

1. Double 12.5 mm plasterboard layer, total th. 25 mm
2. TRYWALL thermal-acoustic insulation
3. Double 12.5 mm plasterboard layer, total th. 25 mm

Sound insulation panels **TRYWALL**

Acoustic and thermal insulation

TRYWALL is a product designed to provide high acoustic insulation performance in linings and lightweight walls built with plasterboard framing. It is a pre-coupled panel consisting of two layers of polyester fibre and a central high-density rubber sheet, providing effective acoustic insulation with a reduced environmental impact. Designed for systems with cavities for building services, TRYWALL maintains continuity of insulation without interruptions, combining excellent acoustic performance with good thermal properties.
Thanks to its pre-coupled, ready-to-install elements, it offers fast and easy installation in lightweight wall systems, ensuring comfort and functionality in every environment.

APPLICATION FIELDS

- Lightweight partition walls for dry construction systems with metal framing.
- Renovation and acoustic remediation of existing walls without demolition.
- Offices, professional studios and hospitality facilities to ensure privacy and reduce noise between rooms.

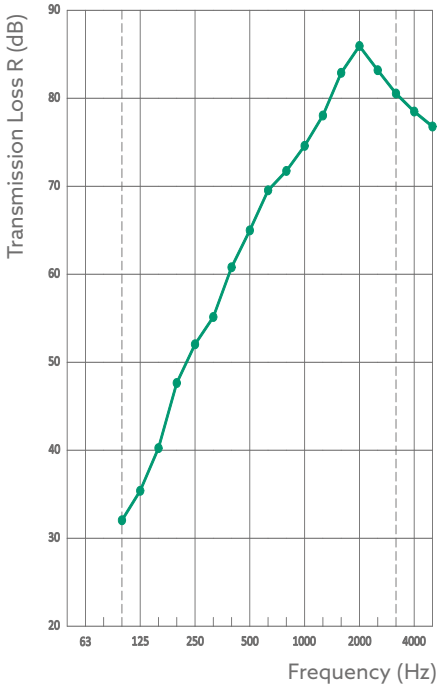
Technical features		**TRYWALL**
Thickness	mm	48
Dimensions	mm	600 x 1200
Mass per unit area	kg/m³	8.80
Thermal conductivity coefficient (λ)	W/mK	0.047





TECHNICAL DATA SHEET
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Airborne sound insulation EN ISO 10140 and EN ISO 717-1



Fr Hz	R dB
100	32,0
125	35,4
160	40,2
200	47,7
250	52,0
315	55,2
400	60,8
500	65,0
630	69,6
800	71,7
1000	74,6
1250	78,0
1600	82,9
2000	85,9
2500	83,2
3150	80,5
4000	78,5
5000	76,8

R_w 60 dB

Laboratory measurement of the acoustic insulation elements of the standard building.

Measurement of the airborne sound insulation.

Description test coated wall:
- 25 mm double plasterboard layer
- 50 mm air cavity
- 48 mm TRYWALL 48
- 50 mm air cavity
- 25 mmdouble plasterboard layer

Total thickness 200 mm

ACCESSORIES FOR INSTALLING PANELS



REDFIX L/C/U

INSTALLATION INSTRUCTIONS

How to install our acoustic insulation for dry walls

For correct installation of dry-wall products, the following recommendations must be observed:

• choose the appropriate panel type before installation: standard, water-resistant for wet areas, fire-resistant for technical rooms or sound-absorbing for acoustic requirements

• check that the metal frame (tracks and studs) is correctly aligned, vertical and level using a spirit level/ plumb line

• check that the spacing between studs and tracks complies with the system and required performance

• check that the floor is level and free from obstacles

• make sure that existing walls and floors are stable and in good condition before anchoring the metal structures

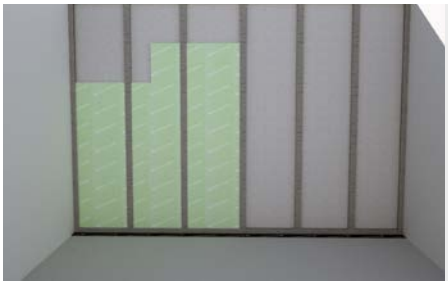
• check that there are no uneven surfaces or damp areas



Installation instructions for our TRYWALL sound insulation panels



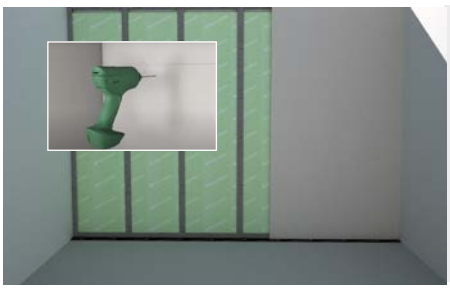
Install the under-wall strip



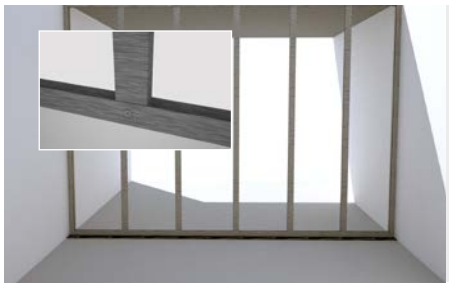
Insert the TRYWALL panel between the profiles



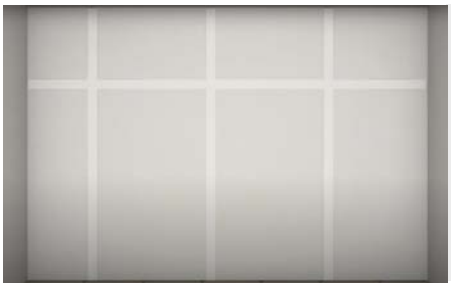
Fix the tracks to the floor, side walls and ceiling



Fix the plasterboard panels to the metal profiles to close the wall



Insert the metal profiles and secure them to the tracks



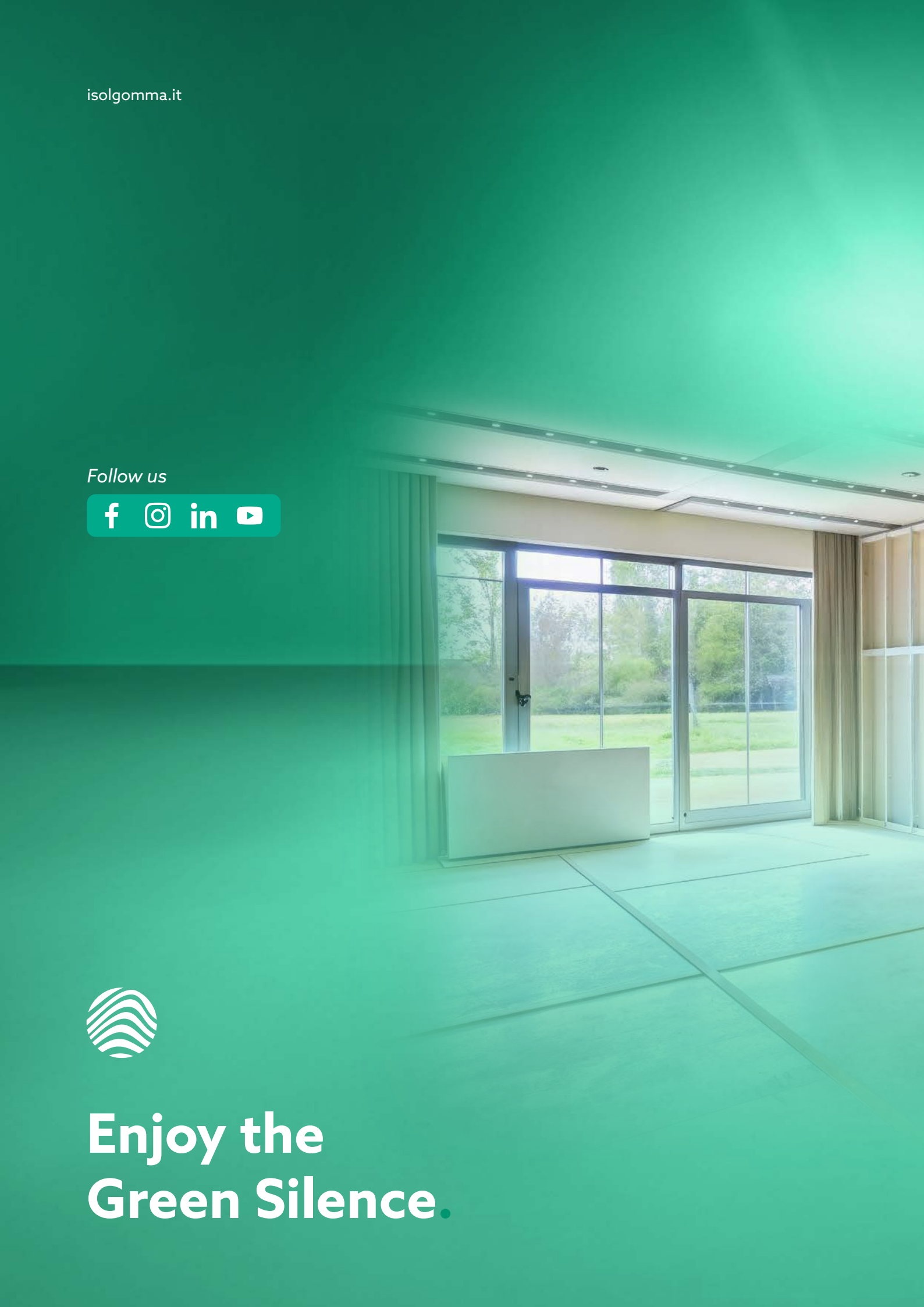
Apply mesh tape to the panel joints. Fill the joints 60



Fix the plasterboard panels to the metal profiles to close one side of the wall

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