



ACOUSTIC INSULATION SOLUTIONS

For new constructions, local and rehabilitations



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MOST COMMON LOCATIONS

Problem	Kind of rehabilitation	Roof Cover	Wall	Floors	Installations
Noises from the neighbor - Traditional partition walls	Basic Partial	-	R.2.2	-	-
Noises from the neighbor - Traditional partition walls	Mid Partial	-	R.2.1	-	-
Noises from the neighbor - Drywall	Basic Partial	-	R.2.3	-	-
Noises from the neighbor - Drywall	Mid Partial	-	R.2.4	-	-
Kitchen/Toilet noises	Mid Partial	-	R.2.5	-	R.3.2
Traffic/Capitalized Noises	Partial	R.5.1	-	-	-
Footprints	Partial	-	-	R.1.1	-
Footprints with Low Noise	Partial	-	-	R.1.2	-
Rain Noise	Partial	R.4.1	-	-	-
Piano/Home Theater	Total	R.6.1	R.2.1	R.1.2	R.3.2
Downpipes	Puntual	-	-	-	R.3.1/R.3.2
Attic Adaptation	Partial	-	-	R.1.2	R.3.2
Machine Rooms	Total	L.3.3/L.3.4	L.2.5	L.1.1	R.3.1

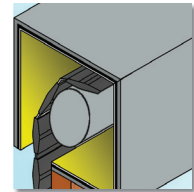
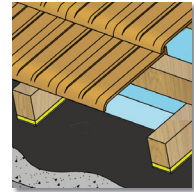
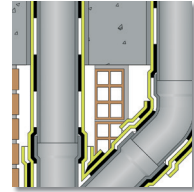
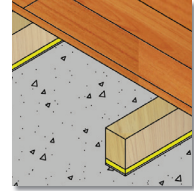
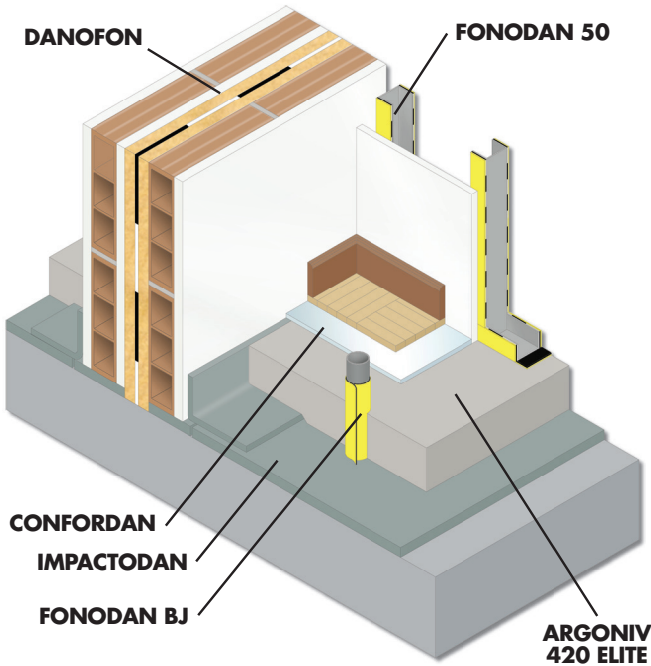
MOST COMMON LOCATIONS

Problem	Schedule	Roof Cover	Wall	Floors	Installations
Bar Cofee Shop	Day	L.3.1	L.2.3	N.1.1	N.3.1
Brewery - Restaurant	Night	L.3.2	L.2.4	L.1.2	L.4.1
Music Venue	Night	L.3.3	L.2.5	L.1.1	L.4.1
Discotheque	Night	L.3.4	L.2.5	L.1.1	L.4.1
Gym	Day	L.3.2	L.2.2	L.1.1	N.3.1
Mechanical Workshop	Day	L.3.1	L.2.1	L.1.2	N.3.1
Bakery	Night	L.3.2	L.2.4	L.1.1	L.4.1
Printers	Day	L.3.2	L.2.2	L.1.1	N.3.1
Supermarkets	Day	L.3.1	R.2.3	L.1.2	N.3.1
Workshops	Day	-	N.6.1/N.6.2	N.1.1	N.3.1
Light Covers	-	L.5.1/L.5.2	-	-	-
Children's premises	Day	L.3.1	R.2.3	N.1.1	N.3.1

N = New home; R = Housing rehabilitation; L = Local



NEW CONSTRUCTION BUILDING



N.1. Floors

- N.1.1 Under regulation mortar with IMPACTODAN and IMPACTODAN BT 5
- N.1.2 Platform with battens with FONODAN 50 5
- N.1.3 Under platform with FONODAN 900 6

N.2. Partitioning

- N.2.1 Traditional mediation with DANOFON 6
- N.2.2 Dry partition wall with FONODAN 50 and DANOFON 7

N.3. Downpipes

- N.3.1 Downpipes with FONODAN BJ 7

N.4. Covers

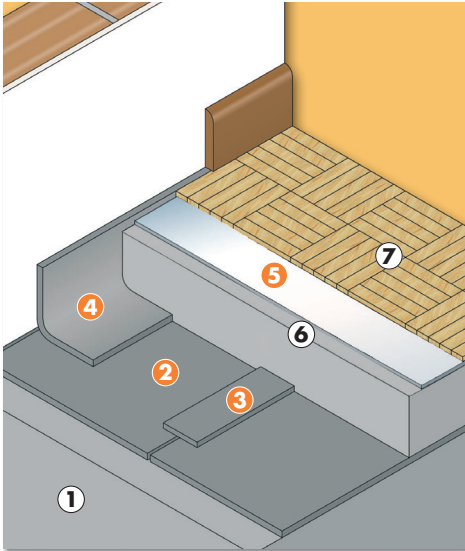
- N.4.1 Sloping roof under battens with FONODAN 50 8

N.5. Capitalized in Windows

- N.5.1 In capitalized with FONODAN 900 8

N.6. Offices

- N.6.1 Partitions with MAD and ROCDAN 9
- N.6.2 Screens with MAD and DANOFON 9

**N.1.1. FLOORS. UNDER REGULATION MORTAR WITH IMPACTODAN & IMPACTODAN BT**

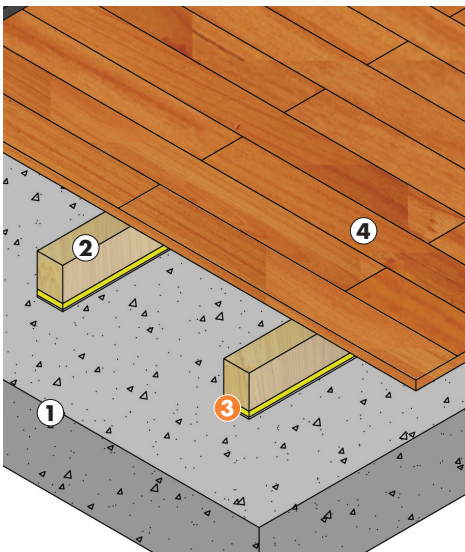
①	Forged	
②	Acoustic Insulation Buffer	IMPACTODAN
③	Acoustic Insulation	Overlapping Tape
④	Acoustic Insulation	Perimeter decouplin band
⑤	Acoustic Insulation Buffer	IMPACTODAN BT
⑥	Mortar	ARGONIV 420 ELITE
⑦	Floating floors	

Thickness: 5-10 mm. + Mortar y acabado

$L'_{nTw} < 58$ dB

$D_{nTA} > 50$ dBA

This constructive detail is only orientational.

N.1.2. PALLETS ALONGWITH BATTENS WITH FONODAN 50

①	Forged	
②	Wooden Batten	
③	Anti-resonant Acoustic Insulation and Buffer	FONODAN 50
④	Floating floors	

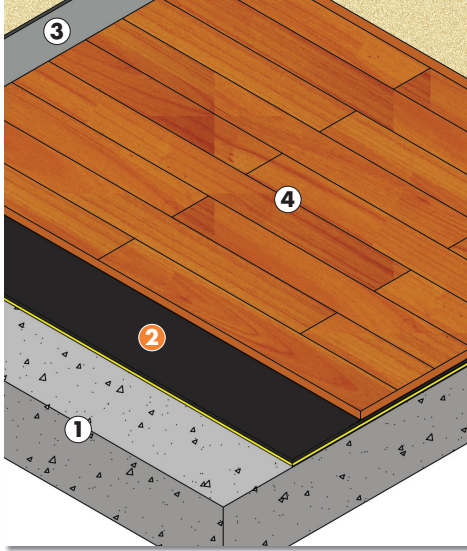
Thickness: 5 mm. + Pallet

$\Delta L_w > 20$ dB

This constructive detail is only orientational.



N.1.3. FLOORS. UNDER FLOATING FLOOR WITH FONODAN 900



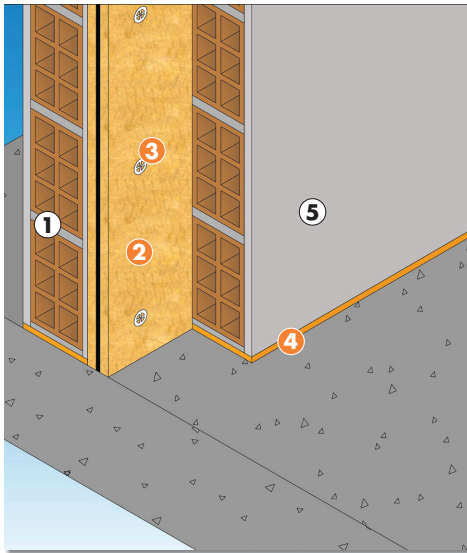
This constructive detail is only orientational

①	Concrete Slab > 20 cm	
②	Anti-resonant Acoustic Insulation and Buffer	FONODAN 900
③	Acoustic Insulation	Overlapping Aluminum Tape
④	Floating floors	

Thickness: 5 mm. + Pallet

$\Delta L_w = 22$ dBA

N.2.1. PARTITION. TRADITIONAL PARTNERSHIP WITH DANOFON

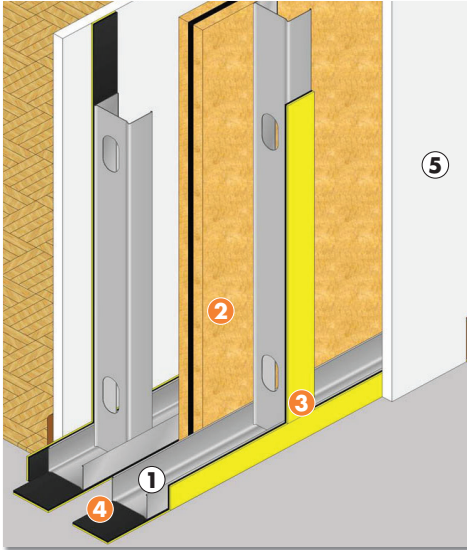


This constructive detail is only orientational

①	Double Hollow Partition	
②	Acoustic Insulation at low, mid and high frequencies	DANOFON
③	Acoustic Insulation	Fixings of Acoustic Insulation
④	Acoustic Insulation	Joining band of the walls
⑤	Plaster	

Thickness: 20 mm.

$D_{nTA} > 50$ dBA

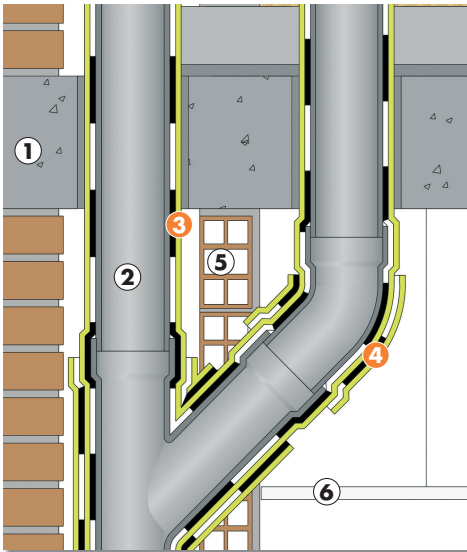
**N.2.2. PARTITION. DRY PARTNERSHIP WITH FONODAN 50 AND DANOFON**

①	Laminated Plaster Structure	
②	Insulation at low, medium and high frequencies	DANOFON
③	Anti-resonant Acoustic Insulation and Buffer	FONODAN 50
④	Acoustic Insulation	Waterproof Band FONODAN 50
⑤	Laminated Plasterboard	

Thickness: 22 mm.

$D_{nTA} > 50$ dBA

This constructive detail is only orientational

N.3.1. DOWNPIPES. DOWNPIPES WITH FONODAN BJ

①	Forged	
②	Downpipe	
③	Anti-resonant Acoustic Insulation and Buffer	FONODAN BJ
④	Acoustic Insulation	FONODAN 130
⑤	Trasdosed LHD	
⑥	False Ceiling	

Thickness: 5-10 mm.

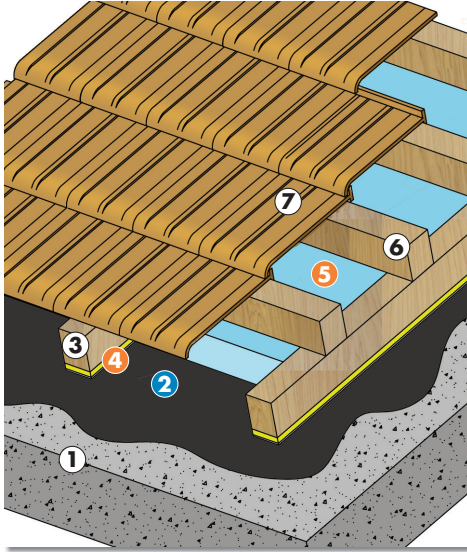
IL > 17 dBA (Complete system)

IL > 9 dBA (Only the product)

This constructive detail is only orientational



N.4.1 INCLINED ROOF. UNDER BATTENS WITH FONODAN 50



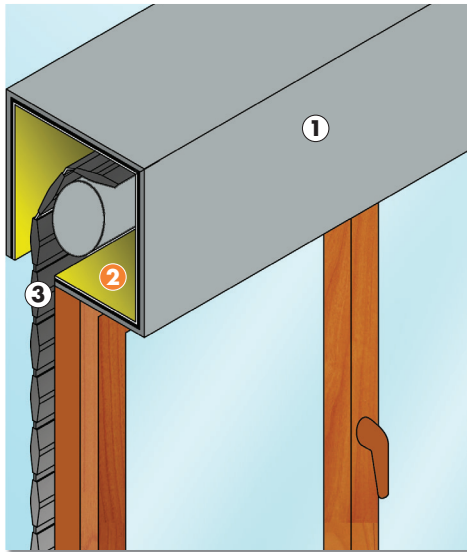
This constructive detail is only orientational

①	Cover Support	
②	Membrane waterproofing	SELF-DAN B.T.M.
③	Wooden Batten	
④	Acoustic Insulation	FONODAN 50
⑤	Thermal Insulation	DANOPREN TR
⑥	Batten for fixing tile	
⑦	Flat Tile	

Thickness: 5 mm. + Tile System

$\Delta L_w > 18 \text{ dB}$

N.5.1. CAPIALZADOS IN WINDOWS. CAPIALIZED WITH FONODAN 900

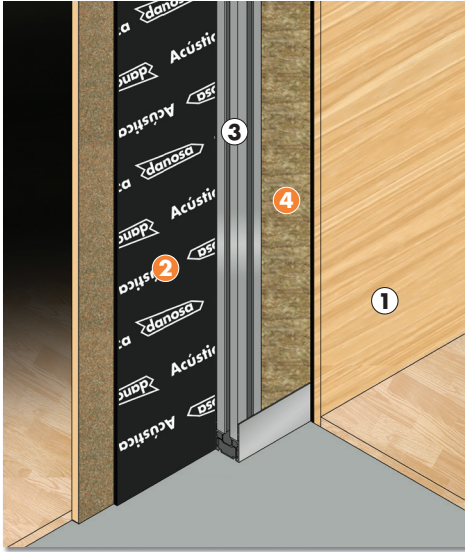


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①	Tabor	
②	Acoustic Insulation	FONODAN 900
③	Blind	

Thickness: 5 mm.

IL > 4 dBA

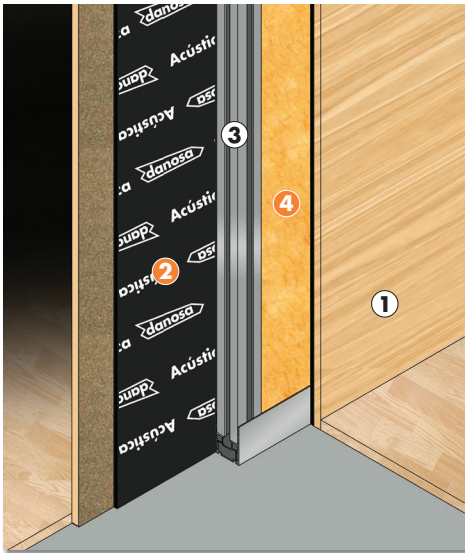
**N.6.1. OFFICES. SCREENS WITH ABSORBENT. MAD AND ROC DAN**

①	Partition Board	
②	Acoustic Insulation Anti-Resonante	M.A.D.
③	Screen Structure	
④	Acoustic Insulation at mid and high frequencies	ROCDAN 231

Thickness: 12-13 cm.

$D_{nTA} > 45$ dBA

This constructive detail is only orientational

N.6.2. OFFICES. MAD AND DANOFON MULTILAYER SCREENS

①	Partition Board	
②	Acoustic Insulation Anti-Resonante	M.A.D.
③	Screen Structure	
④	Acoustic Insulation at low, mid and high frequencies	DANOFON

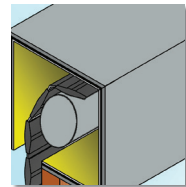
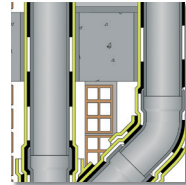
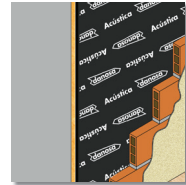
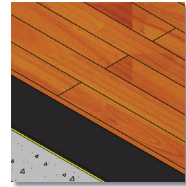
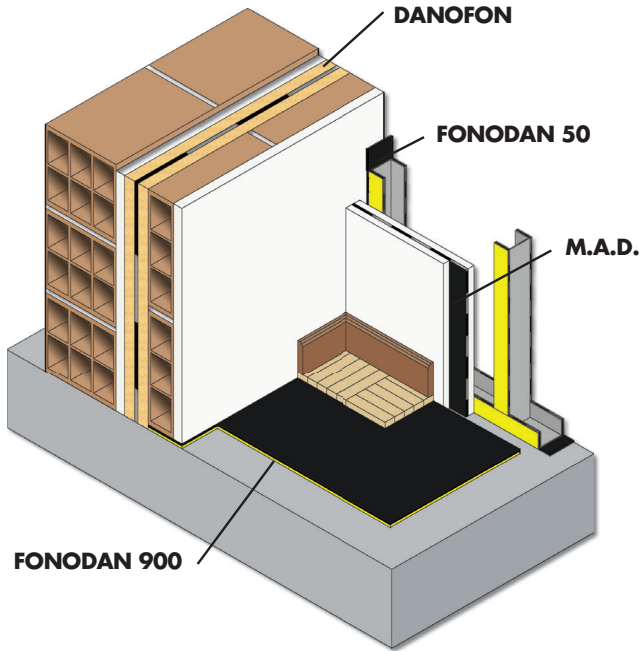
Thickness: 9-10 cm.

$D_{nTA} > 47$ dBA

This constructive detail is only orientational



BUILDING REHABILITATION



R.1. Floors

- R.1.1 Under floating flooring with COFORDAN or IMPACTODAN BT..... 11
- R.1.2 Under floating flooring with FONODAN 900 11

R.2. Walls

- R.2.1 Cladding with traditional partition walls with DANOFON 12
- R.2.2 Wall cladding with traditional partition walls with ACUSTIDAN 12
- R.2.3 Plastering of dry dividing wall with FONODAN 13
- R.2.4 Dry partition wall cladding with MAD and ROC DAN 231 13
- R.2.5 Dry wall cladding with DANOFON and MAD 14

R.3. Downpipes

- R.3.1 Downpipes with ACUSTIDAN..... 14
- R.3.2 Downpipes with FONODAN BJ 15

R.4. Covers

- R.4.1 SLOPING ROOF UNDER BATTENS WITH FONODAN 50..... 15

R.5. Capitalized in Window casings

- R.5.1 In capitalizados with FONODAN 900 16

R.6. Ceilings

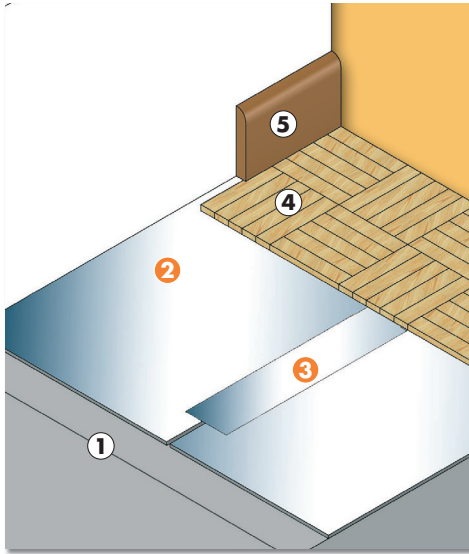
- R.6.1 Floating acoustic sandwich ceiling with MAD and ROC DAN 231 16

R.7. Indoor Partitioning

- R.7.1 Interior partitioning. MAD 4 reinforcement on drywall..... 17
- R.7.2 Interior partition. DANOFON reinforcement on traditional partition walls 17



R.1.1. FLOORS. UNDER FLOATING FLOOR WITH CONFORDAN OR IMPACTODAN BT

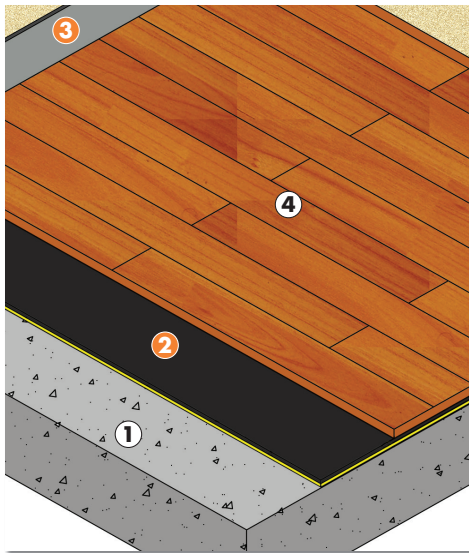


1	Existing floor leveled with ARGONIV 120 ELITE
2	Insulation Buffer IMPACTODAN BT
3	Natural Aluminum Tape
4	Floating Floors
5	Skirting Board

Thickness: 3 mm. + Pallet
 $\Delta L_w > 22$ dB

This constructive detail is only orientational

R.1.2. FLOORS. UNDER FLOATING FLOORING WITH FONODAN 900



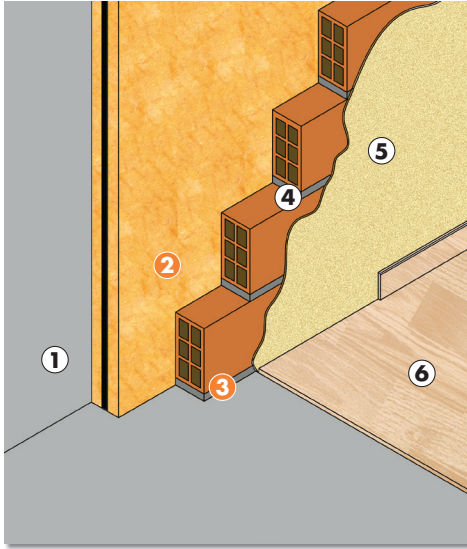
1	Existing floor leveled with ARGONIV 120 ELITE
2	Anti-resonant Acoustic Insulation and Buffer FONODAN 900
3	Natural aluminum tape
4	Floating floors

Thickness: 5 mm. + Pallet
 $\Delta L_w > 22$ dB

This constructive detail is only orientational



R.2.1. PARTITION. SURFACED WITH TRADITIONAL PARTITION WITH DANOFON



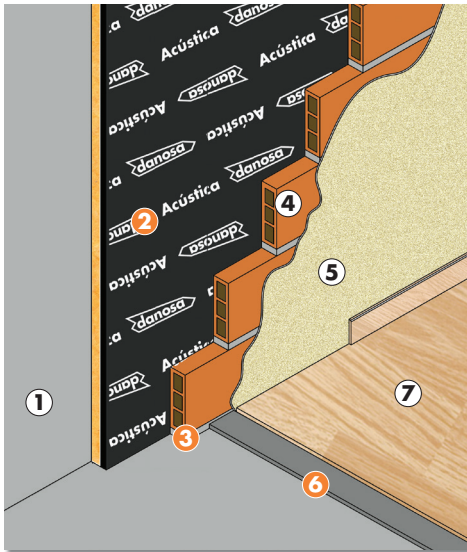
This constructive detail is only orientational

①	Existing Wall	
②	Isolation at low, medium and high frequencies	DANOFON
③	Acoustic Insulation	decoupling band of walls or FONODAN 900
④	Double Hollow Partition or single	
⑤	Plaster	
⑥	Pallet	

Thickness: 8-11 cm.

$\Delta R_A > 18$ dB

R.2.2. PARTITION. SURFACED WITH TRADITIONAL PARTITION WITH ACUSTIDAN



This constructive detail is only orientational

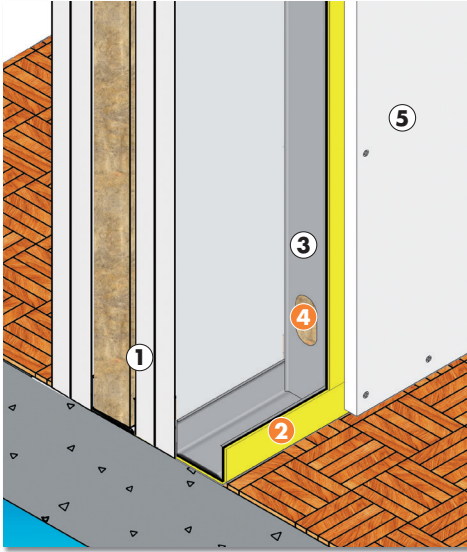
①	Existing Wall	
②	Acoustic Insulation at low & mid frequencies	ACUSTIDAN
③	Acoustic Insulation	decoupling band of walls or FONODAN 900
④	Double Hollow Partition or single	
⑤	Plaster	
⑥	Acoustic Insulation Buffer	CONFORDAN
⑦	Floating floors	

Thickness: 7-10 cm.

$\Delta R_A > 17$ dBA



R.2.3. PARTITION. RESTORATION OF DRY PARTNERSHIP WITH FONODAN 50 & ROCDAN 231



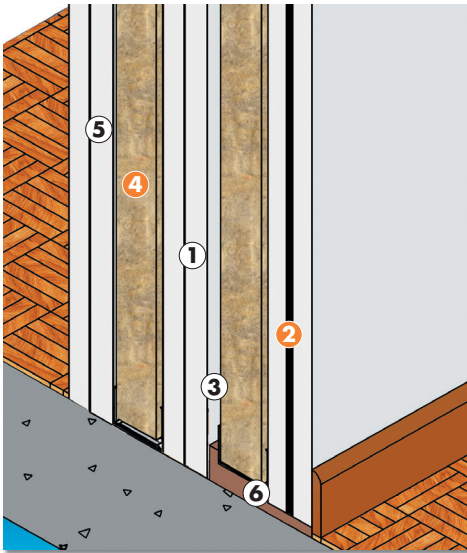
①	Existing Wall	
②	Anti-resonant Insulation and Buffer	FONODAN 50
③	Laminated Plaster Structure	
④	Acoustic Insulation at mid and high frequencies	ROCDAN 231
⑤	Laminated Plasterboard	

Thickness: 7 cm.

$\Delta R_A > 17$ dBA

This constructive detail is only orientational

R.2.4. PARTITION. DRY PARTNERSHIP RESTORATION WITH MAD AND ROCDAN 231



①	Existing Wall	
②	Acoustic Insulation Anti-Resonante	M.A.D.
③	Laminated Plaster Structure	
④	Acoustic Insulation at mid and high frequencies	ROCDAN 231
⑤	Laminated Plasterboard	
⑥	Acoustic Insulation	Base Rubber Damper

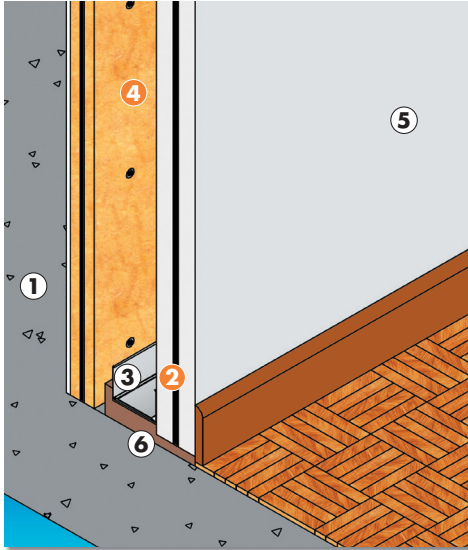
Thickness: 8 cm.

$\Delta R_A > 19$ dBA

This constructive detail is only orientational



R.2.5. PARTITION. SURFACING WITH DRY PARTITION WITH MAD & DANOFON



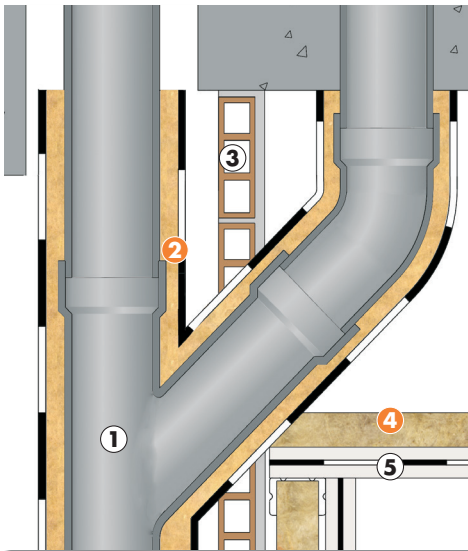
This constructive detail is only orientational

①	Existing Wall	
②	Anti-resonant insulation	M.A.D.
③	Laminated Plaster Structure	
④	Acoustic Insulation at mid and high frequencies	DANOFON
⑤	Laminate Plasterboard	
⑥	Acoustic Insulation	Base Rubber Damper

Thickness: 11 cm.

$\Delta R_A > 21$ dBA

R.3.1. DOWNPIPES. DOWNPIPES WITH ACUSTIDAN



This constructive detail is only orientational

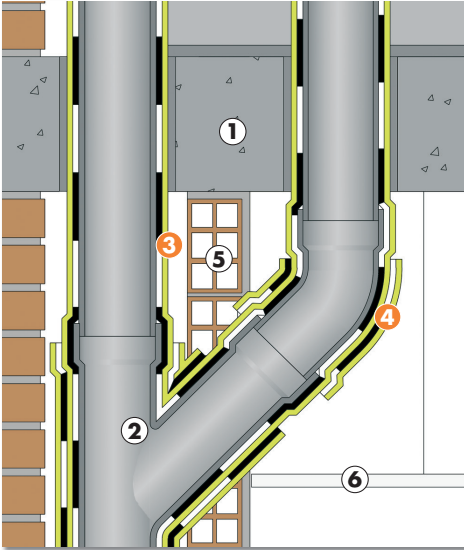
①	Downpipe	
②	Acoustic Insulation at low & mid frequencies	ACUSTIDAN
③	Trasdosed	
④	Acoustic Insulation at mid and high frequencies	ROCDAN 231
⑤	False Ceiling	

Thickness: 3 cm.

IL > 20 dBA



R.3.2. DOWNPIPES. DOWNPIPES WITH FONODAN BJ



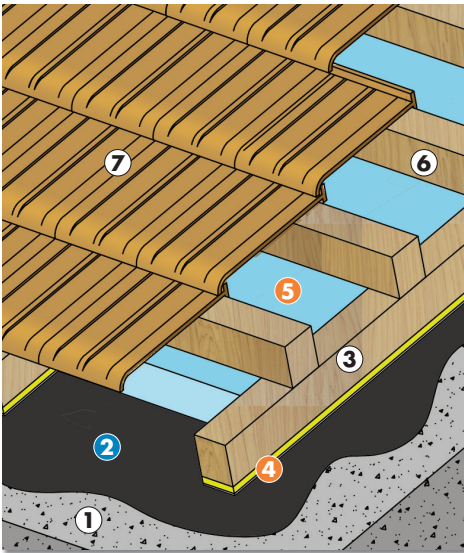
①	Forged	
②	Downpipe	
③	Anti-resonant Insulation & Buffer	FONODAN BJ
④	Acoustic Insulation	Elbow reinforcement band
⑤	Trasdosed LHD	
⑥	False Ceiling	

Thickness: 1 cm.

IL > 17 dBA

This constructive detail is only orientational

R.4.1. INCLINED COVER. UNDER BATTENS WITH FONODAN 50



①	Cover Support	
②	Membrane waterproofing	SELF-DAN B.T.M.
③	Wooden Batten	
④	Anti-resonant Acoustic Insulation and Buffer	FONODAN 50
⑤	Thermal Insulation	DANOPREN TR
⑥	Batten for fixing tile	
⑦	Flat Tile	

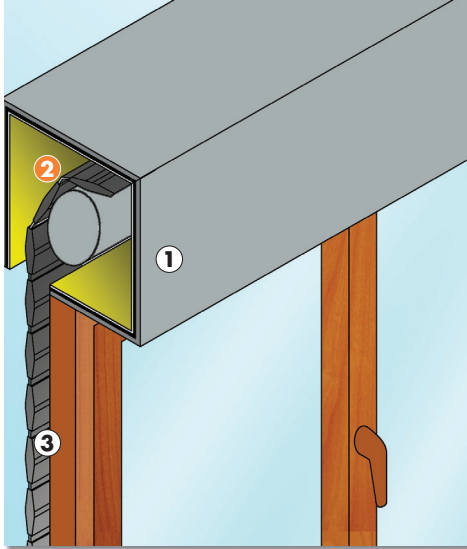
Thickness: 5 mm. + Tile System

$\Delta L_w > 18$ dB

This constructive detail is only orientational



R.5.1. CAPIALZADOS IN WINDOWS. CAPIALIZED WITH FONODAN 900



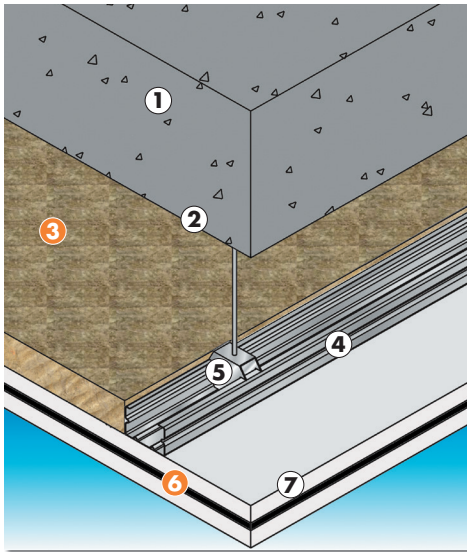
This constructive detail is only orientational

①	Tambor	
②	Anti-resonant Insulation & Buffer	FONODAN 900
③	Blind	

Thickness: 5 mm.

IL > 4 dBA

R.6.1. CEILINGS. FLOATING ROOF ACOUSTIC SANDWICH WITH MAD AND ROCDAN 231

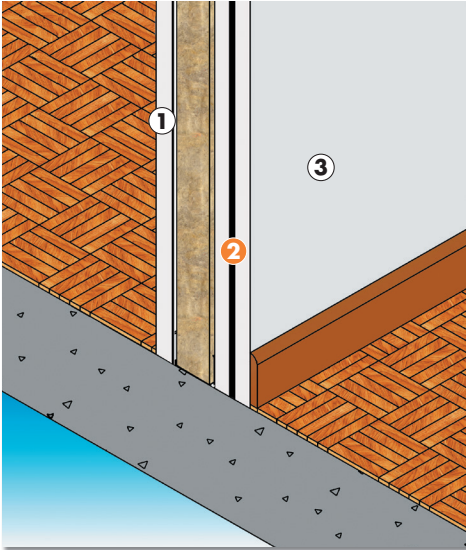


This constructive detail is only orientational

①	Forged	
②	Plaster	
③	Acoustic Insulation at mid and high frequencies	ROCDAN 231
④	Laminated Plaster Structure	
⑤	Acoustic Insulation	Base Rubber Damper
⑥	Acoustic Insulation Anti-Resonante	M.A.D.
⑦	Laminated Plasterboard	

Thickness: 8-10 cm.

$\Delta R_a > 22$ dBA

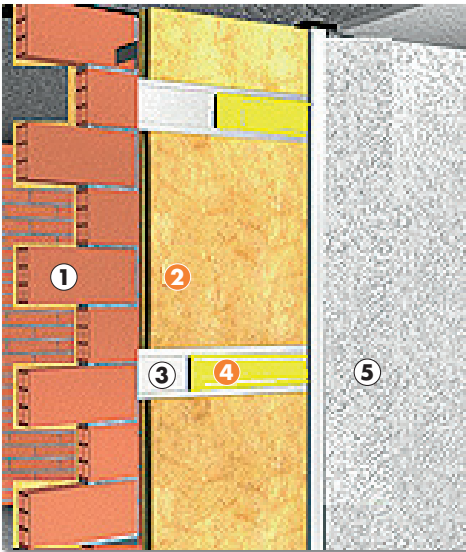
**R.7.1. INTERIOR PARTITIONING. MAD 4 REINFORCEMENT ON DRYWALL**

①	Existing Partition	
②	Acoustic Insulation	M.A.D. 4
③	Laminate Plasterboard	

Thickness: 19 mm.

$\Delta R_A > 7$ dBA

This constructive detail is only orientational

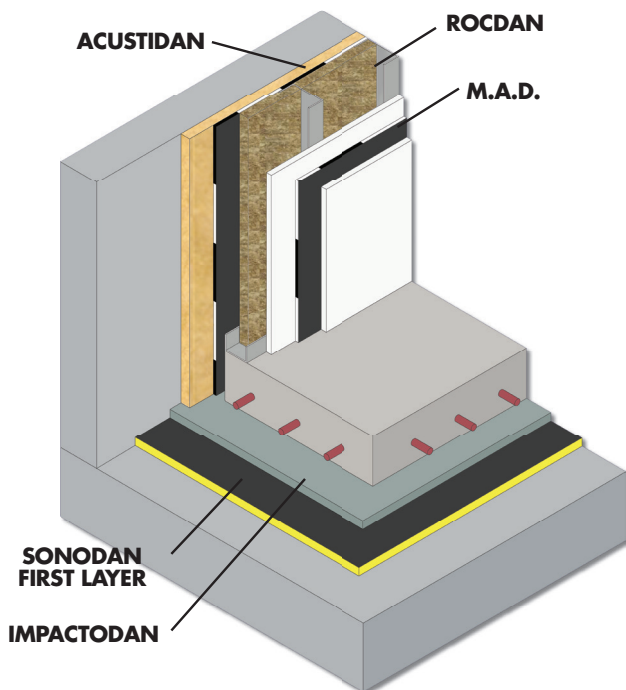
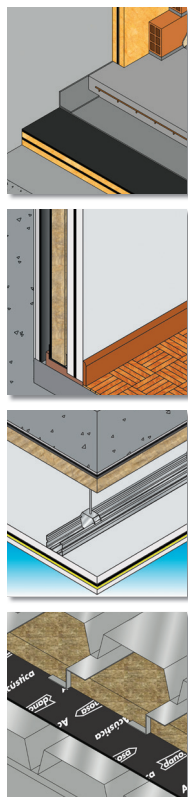
R.7.2. INTERIOR PARTITION. DANOFON REINFORCEMENT ON TRADITIONAL WALLS

①	Existing Partition	
②	Acoustic Insulation	DANOFON
③	Omega Profile	
④	Acoustic Insulation	FONODAN 50
⑤	Laminate Plasterboard	

Thickness: 60 mm.

$\Delta R_A > 14$ dBA

This constructive detail is only orientational



L.1. Floors

- L.1.1 In engine rooms with ACUSTIDAN and IMPACTODAN 19
- L.1.2 Under mortar reinforced with SONODAN FIRST LAYER and IMPACTODAN 19

L.2. Walls

- L.2.1 Cladding with traditional partition walls with DANOFON 20
- L.2.2 Cladding with dry partition walls with FONODAN 900 20
- L.2.3 Dry wall cladding with MAD and ROCDAN 231 21
- L.2.4 Drywall cladding with ACUSTIDAN and MAD. 21
- L.2.5 Drywall cladding with SONODAN PLUS Auto. and MAD. 22

L.3. Ceilings

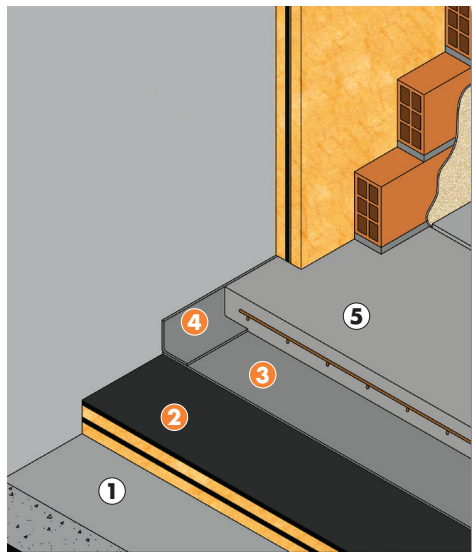
- L.3.1 Floating acoustic sandwich ceiling with MAD and ROCDAN 231 22
- L.3.2 Floating acoustic sandwich ceiling with ACUSTIDAN and MAD 23
- L.3.3 Acoustic sandwich floating ceiling with SONODAN PLUS Auto. & MAD . 23
- L.3.4 Acoustic sandwich floating ceiling with SONODAN PLUS Auto. & FONODAN 900 24

L.4. Downpipes

- L.4.1 Downpipes with ACUSTIDAN 24

L.5. Covers

- L.5.1 METAL ROOFS WITH MAD (GLUED TO THE SHEET) 25
- L.5.2 METAL ROOFS WITH MAD (BETWEEN INSULATION) 25

L.1.1. FLOORS. IN ENGINE ROOMS WITH ACUSTIDAN AND IMPACTODAN


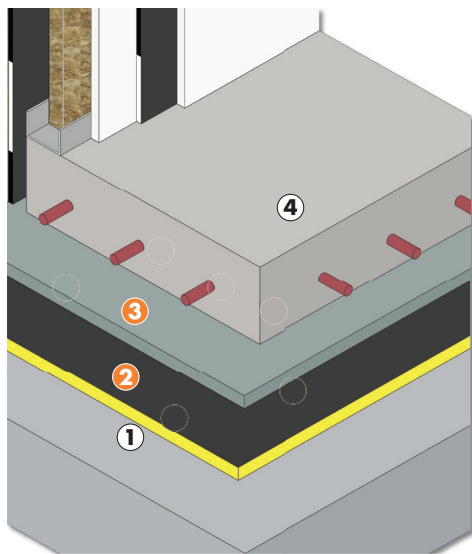
①	Forged	
②	Insulation at low & medium frequencies	ACUSTIDAN (Doble)
③	Acoustic Insulation Buffer	IMPACTODAN
④	Acoustic Insulation	Perimeter decoupling band
⑤	Armored Mortar	

Thickness: 7 cm. + Mortar and Finish

$\Delta R_A > 13$ dBA

$\Delta L_w > 33$ dB

This constructive detail is only orientational

L.1.2. FLOORS. UNDER MORTAR REINFORCED WITH FONODAN 900 & IMPACTODAN


①	Forged	
②	Anti-resonant Acoustic Insulation and Buffer	SONODAN FIRST LAYER
③	Acoustic Insulation Buffer	IMPACTODAN
④	Armored Mortar	

Thickness: 7 cm. + Mortar and Finish

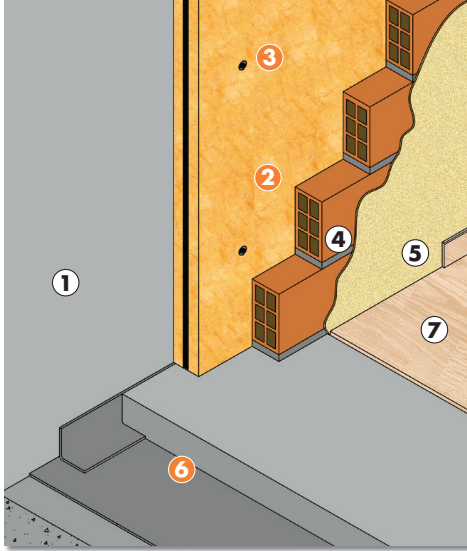
$\Delta R_A > 10$ dBA

$\Delta L_w > 30$ dB

This constructive detail is only orientational



L.2.1. PARTITION. SURFACED WITH TRADITIONAL PARTITION WITH DANOFON



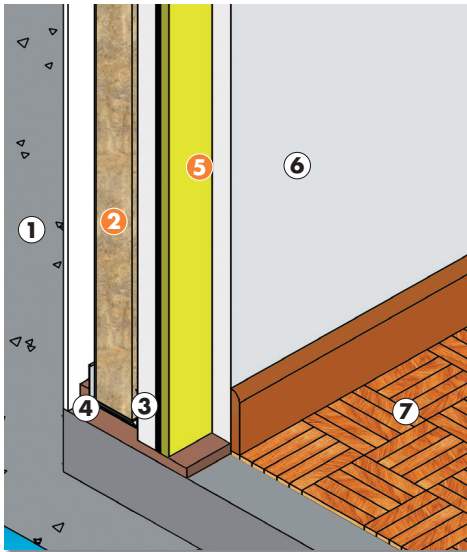
This constructive detail is only orientational

①	Existing Partition	
②	Insulation at low, medium & high frequencies	DANOFON
③	Acoustic Insulation	Acoustic Insulation Fixing
④	Double Hollow Brick Partition	
⑤	Plaster	
⑥	Acoustic Insulation - Floating Floor System	IMPACTODAN System
⑦	Floor Finish	

Thickness: 11 cm.

$\Delta R_A > 21$ dBA

L.2.2. PARTITION. SURFACING WITH DRY PARTITION WITH FONODAN 900

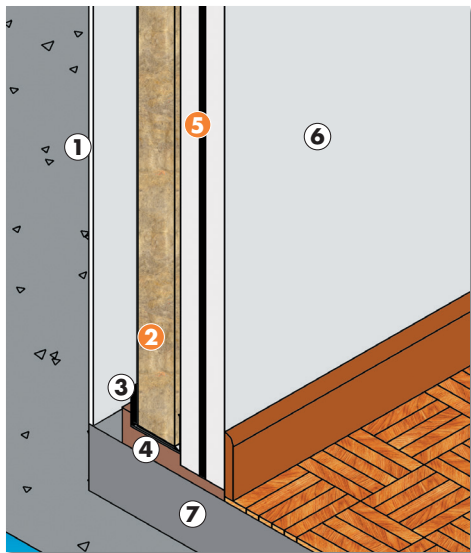


This constructive detail is only orientational

①	Existing Partition	
②	Acoustic Insulation at mid and high frequencies	ROCDAN 231
③	Laminated Plaster Structure	
④	Base Rubber Shock Absorber	
⑤	Anti-resonant Acoustic Insulation and Buffer	FONODAN 900
⑥	Laminated Plasterboard	
⑦	Floating Floor System	

Thickness: 9 cm.

$\Delta R_A > 20$ dBA

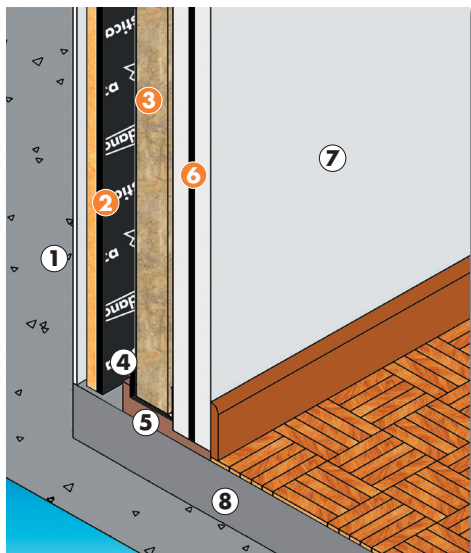
**L.2.3. PARTITION. SURFACING WITH DRY PARTITION WITH MAD & ROCDAN 231**

1	Existing Partition	
2	Insulation at mid & high frequencies	ROCDAN 231
3	Laminated Plaster Structure	
4	Base Rubber Shock Absorber	
5	Acoustic Insulation Anti-Resonante	M.A.D.
6	Laminated Plasterboard	
7	Floating Floor System	

Thickness: 9 cm.

$\Delta R_A > 19$ dBA

This constructive detail is only orientational

L.2.4. PARTITION. SURFACING WITH DRY PARTITION WITH ACUSTIDAN & MAD

1	Existing Partition	
2	Acoustic Insulation at low & mid frequencies	ACUSTIDAN
3	Acoustic Insulation at mid and high frequencies	ROCDAN 231
4	Laminated Plaster Structure	
5	Base Rubber Shock Absorber	
6	Acoustic Insulation Anti-Resonante	M.A.D.
7	Laminated Plasterboard	
8	Floating Floor System	

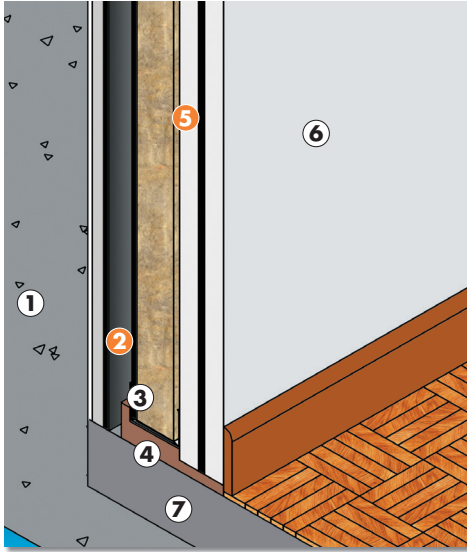
Thickness: 12 cm.

$\Delta R_A > 22$ dBA

This constructive detail is only orientational



L.2.5. PARTITION. SURFACING WITH DRY PARTITION WITH SONODAN PLUS & MAD



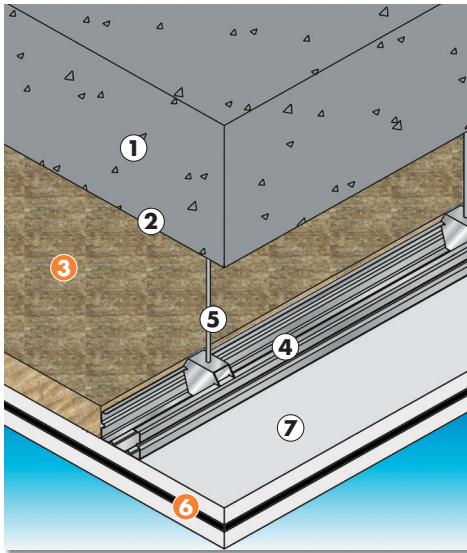
This constructive detail is only orientational

①	Existing Partition	
②	Acoustic Insulation to impulse noise of low, medium & high frequencies	SONODAN PLUS Self-Adhesive
③	Laminated Plaster Structure	
④	Base Rubber Shock Absorber	
⑤	Acoustic Insulation Anti-Resonante	M.A.D.
⑥	Laminated Plasterboard	
⑦	Floating Floor System	

Thickness: 13 cm.

$\Delta R_A > 25$ dBA

L.3.1. CEILINGS. FLOATING ROOF ACOUSTIC SANDWICH WITH MAD & ROCDAN 231

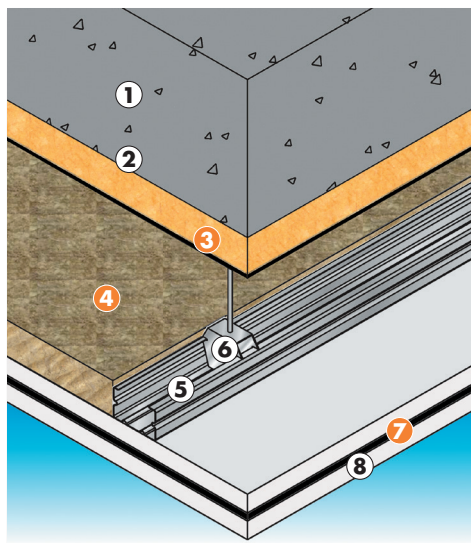


This constructive detail is only orientational

①	Forged	
②	Plaster	
③	Acoustic Insulation at mid and high frequencies	ROCDAN 231
④	Laminated Plaster Structure	
⑤	Ceiling Rubber Damper	
⑥	Acoustic Insulation Anti-Resonante	M.A.D.
⑦	Laminated Plasterboard	

Thickness: 8-10 cm.

$\Delta R_A > 22$ dBA

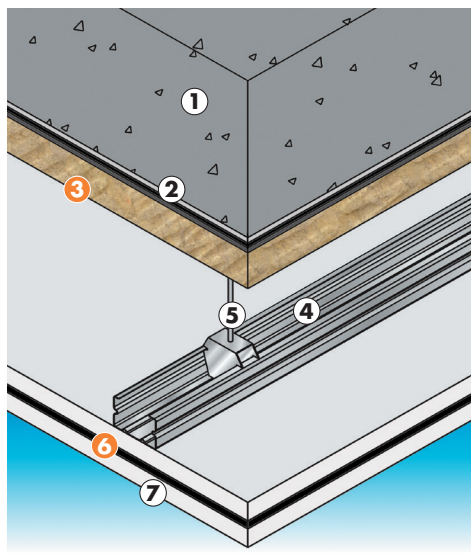
**L.3.2. CEILINGS. FLOATING ROOF ACOUSTIC SANDWICH WITH ACUSTIDAN & MAD**

①	Forged	
②	Plaster with ARGOLCOLA ELITE 500	
③	Insulation a bajas y medias frecuencias	ACUSTIDAN
④	Acoustic Insulation at mid and high frequencies	ROCDAN 231
⑤	Laminated Plaster Structure	
⑥	Ceiling Rubber Damper	
⑦	Acoustic Insulation Anti-Resonante	M.A.D.
⑧	Laminated Plasterboard	

Thickness: 11-14 cm.

$\Delta R_A > 26$ dBA

This constructive detail is only orientational

L.3.3. CEILINGS. FLOATING ROOF ACOUSTIC SANDWICH. SONODAN PLUS AUTO. & MAD.

①	Forged	
②	Plaster with ARGOLCOLA ELITE 500	
③	Acoustic Insulation to impulse noise of low, medium & high frequencies	SONODAN PLUS Self-Adhesive
④	Laminated Plaster Structure	
⑤	Ceiling Rubber Damper	
⑥	Acoustic Insulation Anti-Resonante	M.A.D.
⑦	Laminated Plasterboard	

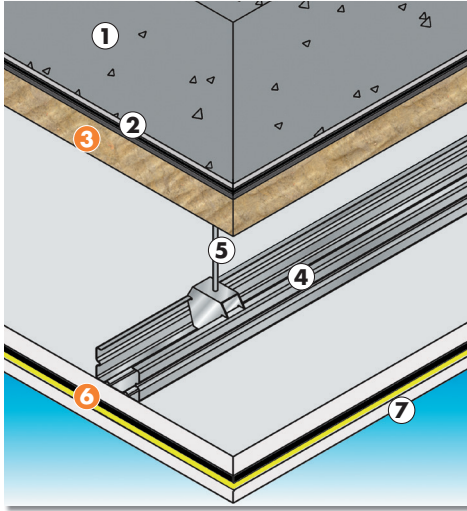
Thickness minimum > 18 cm.

$\Delta R_A > 30$ dBA

This constructive detail is only orientational



L.3.4. CEILINGS. FLOATING ROOF. ACOUSTIC SANDWICH. SONODAN PLUS AUTO. & FONODAN 900



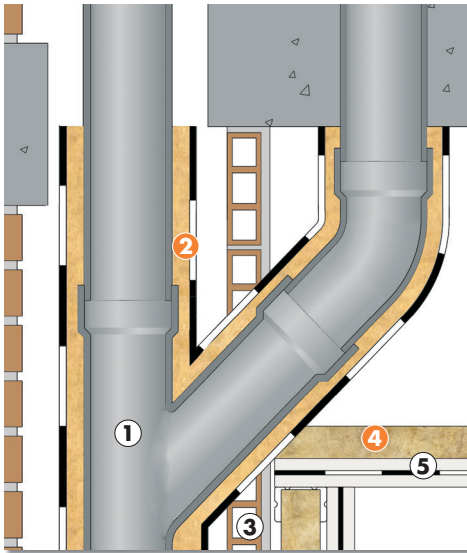
This constructive detail is only orientational

①	Forged	
②	Plaster with ARGOCOLA ELITE 500	
③	Acoustic Insulation to impulse noise of low, medium & high frequencies	SONODAN PLUS Self-Adhesive
④	Laminated Plaster Structure	
⑤	Ceiling Rubber Damper	
⑥	Anti-resonant Acoustic Insulation and Buffer	FONODAN 900
⑦	Laminated Plasterboard	

Thickness: 18 cm.

$\Delta R_A > 32$ dBA

L.4.1. DOWNPIPES. DOWNPIPES WITH ACUSTIDAN

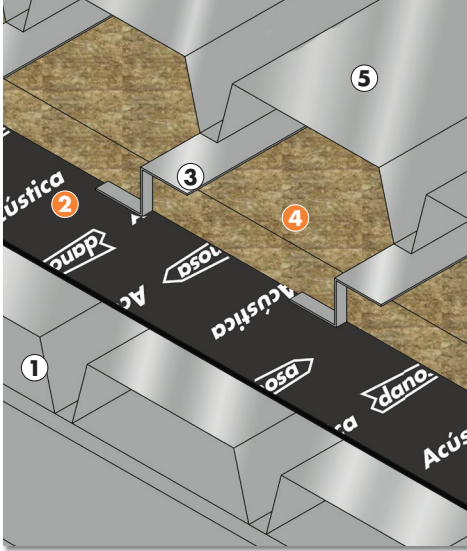


This constructive detail is only orientational

①	Downpipe	
②	Acoustic Insulation at low & mid frequencies	ACUSTIDAN
③	System de Trasdosados	
④	Acoustic Insulation at mid and high frequencies	ROCDAN 231
⑤	Floating Ceiling System	

Thickness: 2 cm.

IL > 20 dBA

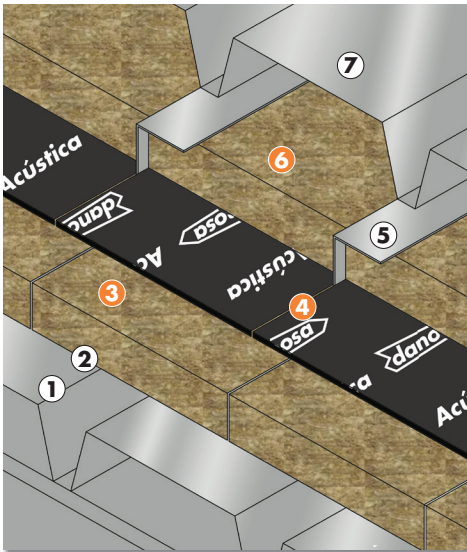
**L.5.1. COVERS. METALLIC COVERS WITH MAD (GLUE TO THE SHEET)**

This constructive detail is only orientational

1	Deck Type Cover	
2	Acoustic Insulation Anti-Resonante	M.A.D.
3	Metallic Structure	
4	Acoustic Insulation at mid and high frequencies	ROCDAN 231
5	Finishing Veneer	

Thickness: 4 mm. + Thermal Insulation y chapa

$\Delta R_A > 4$ dBA

L.5.2. COVERS. METALLIC COVERS. MAD (BETWEEN ISOLATION)

This constructive detail is only orientational

1	Deck Type Cover	
2	Vapor Barrier	
3	Acoustic Insulation at mid and high frequencies	ROCDAN 231
4	Acoustic insulation membrane resonator at low frequency	M.A.D.
5	Metallic Structure	
6	Acoustic Insulation at mid and high frequencies	ROCDAN 231
7	Finishing Veneer	

Thickness minimum: 5 cm, Mineral Wool + 4 mm, + Insulation

$\Delta R_A > 7$ dBA



4. PRODUCT LIST

4.1. MULTILAYER PANELS. MULTILAYER MATERIALS FOR INSULATION AT LOW, MEDIUM AND HIGH FREQUENCIES

4.1.1 ACUSTIDAN	27
4.1.2 DANOFON	27
4.1.3 SONODAN PLUS	28

4.2. ABSORBING MATERIALS TO REDUCE IMPACT NOISE

4.2.1 IMPACTODAN BT	28
4.2.2 CONFORDAN	29

4.3. HIGH DENSITY SHEETS. ANTI-RESONANT MATERIALS TO REDUCE VIBRATIONS OF LIGHT RIGID ELEMENTS

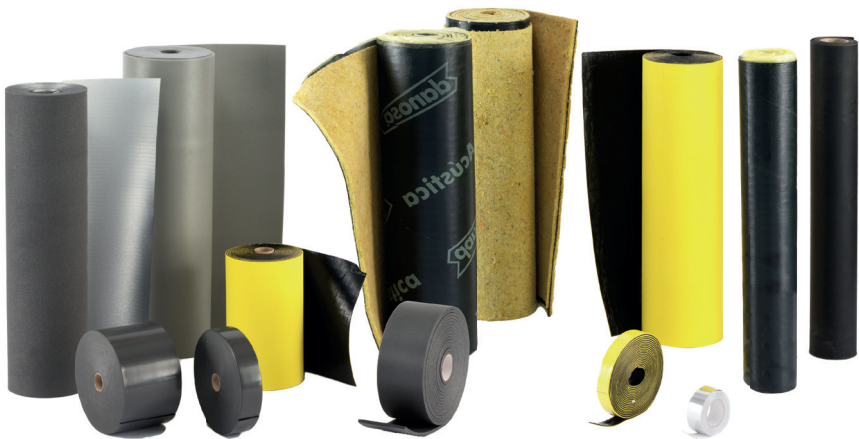
4.3.1 Membrana Acústica Danosa (M.A.D.)	29
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4.4. ANTI-RESOND AND DAMPING MATERIALS TO REDUCE IMPACTS AND VIBRATIONS

4.4.1 FONODAN 50	30
4.4.2 FONODAN BJ	30
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4.5. SPECIAL Mortars

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MULTILAYER PANELS. MULTILAYER MATERIALS FOR INSULATION AT LOW, MEDIUM AND HIGH FREQUENCIES.

ACUSTIDAN®

It is a multilayer composite made up of a high-density elastomeric sheet and a blanket made of recycled cotton and textile fibers bonded with phenolic resin.

	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /palet	Insulation to airborne Noise
	610083	ACUSTIDAN 16/2	Rolls of 6x1	18	72	35 dBA
	610080	ACUSTIDAN 16/4		20	72	38,5 dBA



DANOFON®

It is a multilayer composite made up of a high-density bituminous-based sheet and a blanket on each side made up of recycled cotton and textile fibers bonded with phenolic resin.

	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /palet	Insulation to airborne Noise
	610090	DANOFON	Rolls of 6x1	28	54	54 dBA

BASIC START UP

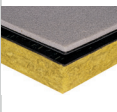




SONODAN® PLUS Self-Adhesive

It is a multilayer product that is divided into two different layers. This differentiation allows counterbalancing during installation, reducing the risk of lack of watertightness:

- First layer: Made up of a cross-linked polyethylene and a high-density bituminous sheet finished in a self-adhesive film with non-stick plastic.
- Second layer: Formed by a high-density bituminous sheet finished in a self-adhesive film with non-stick plastic and an absorbent rock wool panel.

	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /palet	Paneles/palet
	610060	SONODAN PLUS Self-Adhesive	Rolls of 1.20 x1	40	48	55


BASIC START-UP



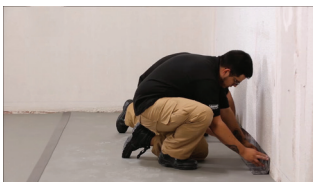
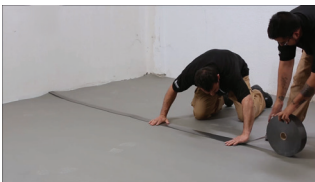
ABSORBING MATERIALS TO REDUCE IMPACT NOISE

IMPACTODAN® 5

It is a flexible sheet of closed-cell chemically cross-linked polyethylene that provides the product with an elastic internal structure.

	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m/rolls	Mechanical Stiffness	Compression Strength	ΔL _w
	620015-05	IMPACTODAN 5	Rolls of 1x15; 2x50	5	100; 15	<95 MN/m ³	>20 Kpa	20 dB
	620042	Walls Desolidarizer	Rolls of 0.15x12.5	10	12.5	<100 MN/m ³		-
	620044	Perimeter Decoupling	Rolls of 0.2x25	3	25			
	620045	Overlapping Tape	Rolls of 0.07x25	3	25			

BASIC START-UP

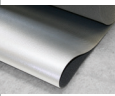




ABSORBING MATERIALS TO REDUCE IMPACT NOISE

CONFORDAN®

It is a flexible sheet of closed-cell chemically cross-linked polyethylene that provides the product with an elastic internal structure.

	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /Rollo	Insulation to impact noise
	620032	CONFORDAN	0.95x25	3	23.75	18 dB
	620051	IMPACTODAN BT	1.06x25	3	26.5	22 dB

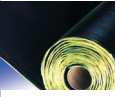
BASIC START-UP



HIGH DENSITY SHEETS FOR ACOUSTIC INSULATION. ANTI-RESONANT MATERIALS TO REDUCE VIBRATIONS OF LIGHT RIGID ELEMENTS

Membrana Acústica Danosa M.A.D.®

It is a bituminous sheet reinforced with mineral fillers, covered on its external faces with a high-density polyethylene film.

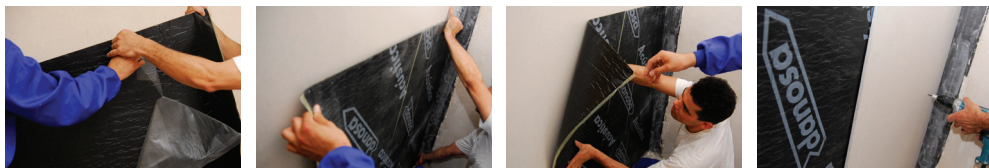
	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /palet	Insulation Improvement at Low Frequency (dB)
	610002	Membrana acústica Danosa M.A.D. 2	12x1	2	360	> 3 dB
	610003	Membrana acústica Danosa M.A.D. 4	6x1	4	180	> 6 dB
	610031	Membrana acústica Danosa M.A.D. 4 ERF				
	610005	Membrana acústica Danosa M.A.D. 4 Autoadhesiva				
	610017	Membrana acústica Danosa M.A.D. 4 Autoadhesiva en placas	1x1.20/placa		150	

BASIC INSTALLATION (MECHANICALLY FIXED)






BASIC INSTALLATION (SELF-ADHESIVE VERSION)



ANTI-RESONANT AND DAMPENING MATERIALS TO REDUCE IMPACTS AND VIBRATIONS

FONODAN® 50

It is a two-layer product made up of a high-density self-adhesive membrane and a chemically cross-linked polyethylene heat-welded to the former.

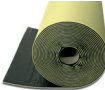
	Code	Tradename	Dimensions (m.)	Thickness (mm.)	Presentation	Airborne Noise Improvement
	610202	FONODAN 50	Rolls of 0.046x10	3.9	7 Rolls/box	3 dBA

BASIC START-UP

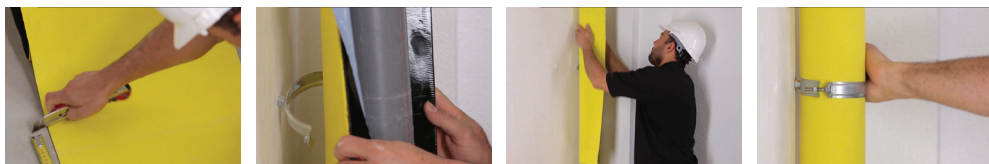


FONODAN® BJ

It is a two-layer product made up of a high-density self-adhesive membrane and a chemically cross-linked polyethylene heat-welded to the former.

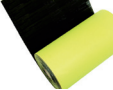
	Code	Tradename	Dimensions (m.)	Thickness (mm.)	Presentation	Insertion loss IL
	610207	FONODAN BJ	Rolls of 0.42x10	3.9	32 Rolls/box	9
	610209	FONODAN 130	Rolls of 0.132x10	3.9	4 Rolls/box	9
	610208	FONODAN 70	Rolls of 0.066x10	3.9	8 Rolls/box	9

BASIC START-UP



FONODAN® 900

It is a two-layer product made up of a high-density self-adhesive membrane and a chemically cross-linked polyethylene heat-welded to the former.

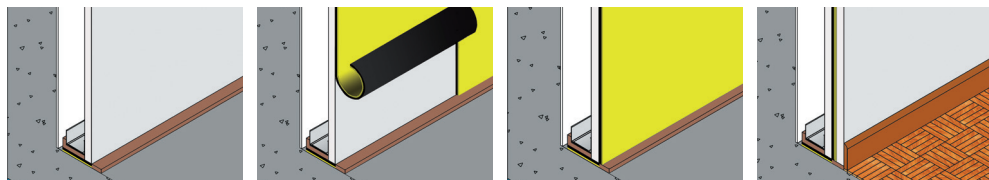
	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /Palet	Improves Insulation at Low Frequency
	610201	FONODAN 900	Rolls 10x0,92	3.9	23,75	2 dB



BASIC START-UP (ON FLOORS)



APPLICATION



SONODAN FIRST LAYER

It is a two-layer product made up of a high-density self-adhesive membrane and a medium-density chemically cross-linked polyethylene heat-welded to the former.

	Code	Tradename	Dimensions (m.)	Thickness (mm.)	m ² /Palet	Improves Insulation at Low Frequency
	610061	SONODAN FIRST LAYER	6x1	8	96	30 dB

Product on request.



Providing holistic solutions for

- Waterproofing
- Acoustic Insulation
- Thermal Insulation
- Flooring
- Drainage and Protection Systems

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