



TRO
CEL
LEN

INSULATION

TROCELLEN

INSULATION PORTFOLIO



Trocellen Class

Within Trocellen world for duct insulation, **TROCELLEN CLASS** means CE marked and Euroclass product portfolio, according to EN 14313.



By CLASS product range, Trocellen provides the answer in relation to the "new European approach" to customers of the professional application.

Main advantages:

- Excellent condensation barrier ability
- Excellent μ value - it can be even 15000 (depends on type)
- Constant and long lasting λ
- Fire resistant, flammability classification can be B-s2,d0; no afire dripping
- Ultra low toxicity and opacity of fumes in case of fire (F1 classification, according to FR F 16-101)
- Safe, non-toxic, non-allergen, mould resistant and recyclable.

Types:

TROCELLEN CLASS ADHESIVE

Chemically cross-linked, closed cell polyethylene foam.

- Euroclass B-s2,d0 - BL-s1,d0 for thickness range 3-12 mm.

TROCELLEN CLASS ALU ADHESIVE

Chemically cross-linked, closed cell polyethylene foam, laminated with aluminium sheet.

- Euroclass B-s2,d0 - BL-s1,d0 for thickness range 3-14 mm;
- Euroclass C-s2,d0 - BL-s1,d0 for thickness range 15-24 mm.

TROCELLEN CLASS ALU.S ADHESIVE

Chemically cross-linked, closed cell polyethylene foam, laminated with aluminium sheet. With improved performances.

- Euroclass B-s2,d0 - BL-s1,d0; thickness range: 3-16 mm
- Weather tolerant insulation and usable even outdoor.

Other not CE marked types available, according to the old Italian fire reaction classification:

TROCELLEN DUCT CL1 - plain

TROCELLEN DUCT CLO-2 ALU - type N, laminated with smooth or embossed aluminium 50 μ m

TROCELLEN DUCT CL1 ALU - type CL1, laminated with smooth or embossed aluminium 50 μ m

TROCELLEN DUCT AL CL1 - type CL1, lined with embossed scratch-proof metallic PE film

TROCELLEN DUCT AL CL1 REF - type CL1, laminated with a metallic polyester film

TROCELLEN DUCT CL1 ALU-NET - type CL1, laminated with a thin netted aluminium foil. It is also a "Class O surface" according to British standard BS 476-Part 6/7 (thickness 13 mm).



TROCELLEN CLASS ADHESIVE



TROCELLEN CLASS ALU/ALU.S

Rolls

TROCELLEN is a closed cell, chemically cross-linked polyolefin foam (a group which includes PE, PP, copolymers, EVA, etc.). Available versions:

TROCELLEN N

Dark grey, does not contain flame retardants. Over 7 mm thickness conforms to the USA -FMVSS 302 and German DIN 75200 standard of flame containment at less than 100mm/min

TROCELLEN NP

N type, laminated with scratch resistant embossed metallic polyethylene film

TROCELLEN AL

N type, laminated with scratch resistant embossed black polyethylene film

TROCELLEN AL REF

N type, laminated with a metallic polyester film

TROCELLEN CL1

Light grey in colour, produced with flame retardant additives to make it conform to the standards for the category, for example TROCELLEN CL 1 - Italy, M1 France, etc.

TROCELLEN AL/CL1

CL1 type, with embossed, scratch resistant metallic PE film

TROCELLEN AL/CL1 REF

CL1 type, with embossed, scratch resistant metallic PET film

TROCELLEN CL1 ALU

CL1 type, with 50 µm smooth or embossed aluminium

TROCELLEN CLASS OEM (not CE marked)

Euroclass B-s2,d0 thicknesses 3-10 mm; Euroclass C-s2,d0 thickness 12mm, adhesive, according to EN 13501-1, light green



TROCELLEN ROLLS (height 1,50 m)						
THICKNESS m	TYPES N, NP, AL, AL REF		TYPES CL1, AL/CL1, CL1 REF, CL1 ALU		TYPE CLASS OEM (NOT CE MARKED)	
	MULTIPLE OF m ²	AVAILABLE SIZE m ²	MULTIPLE OF m ²	AVAILABLE SIZE m ²	MULTIPLE OF m ²	AVAILABLE SIZE m ²
03	450	75	600	300/75	600	300/75
05	300	75	-	-	-	-
06	225	75	300	75	300	75
08	150	75	225	75	225	75
10	120	60	180	60	180	60
12	135	45	135	45	135	45
15	90	45	90	45	-	-
20	120	60/30	180	30	-	-
24	135	22,5	135	22,5	-	-
30	120	30	180	30/2,96	-	-

* For different thicknesses, please contact our commercial office.



APPLICATIONS

The following are used to fit the rolls:

“AD” TYPE ROLLS (ADHESIVE)

- The rolls are available with self-adhesive for thicknesses of 3-6-8-10 and 12 mm.
- For thicknesses of 16-20-24-30 mm consult the technical office in the production plant.

For hot air heating systems where temperatures may reach 60 - 80 °C we advise to use MATIBLOCK glue which should be spread on the sheet (object to be installed) and the duct.

USES

The most common uses are:

- Insulation of airduct and hot and cold water storage tanks
- Insulation of large diameter pipes
- Adhesive seals

TECHNICAL DATA							
TECHNICAL CHARACTERISTICS	NORM	UNIT	TROCELLEN N	TROCELLEN CL1	TROCELLEN AL/CL1	TROCELLEN CL1/ALU	TROCELLEN CLASS OEM (NOT CE MARKED)
Reaction to fire	UNI 8457 UNI 9174 EN 13501-1	-	-	Classe 1	Classe 1	Classe 1	Euroclass B-s2,d0 - BL-s1,d0 for thickness range 3-10mm C-s2,d0 - BL-s1,d0 for thickness 12 mm
Thermal conductivity coefficient at 0 °C (λ -value)	EN 12667	W/mK kcal/mh°C	0,0345 0,0297	0,0345 0,0297	0,0345 0,0297	0,0345 0,0297	0,0360 0,0309
Thermal conductivity coefficient at 40 °C (λ -value)	EN 12667	W/mK kcal/mh°C	0,0400 0,0344	0,0400 0,0344	0,0400 0,0344	0,0400 0,0344	0,0450 0,0387
Water vapour diffusion factor (μ -value)	EN 12086 EN ISO 12572	-	≥ 2000	≥ 2000	≥ 12000	≥ 65000	≥ 1000 (1270)
Density	EN ISO 845	kg/m ³	30	30	30	30	28
Thickness	EN ISO 1923	mm	from 3 to 30 (See base spec.)	from 3 to 30 (See base spec.)	from 3 to 30 (See base spec.)	from 3 to 30 (See base spec.)	from 3 to 12 (See base spec.)
Colour	BASE spec.	-	grey anthracite	light grey	light grey	light grey	light green / grey anthracite
Compression stress at 10%	EN ISO 3386/1	kPa	24	15	18,6	18,6	12
Water absorption after 28 days	ISO 2896	Vol.%	<3	<3	<3	<3	<3
Dimensional stability (< 5%)	ISO 2796	°C	100	100	100	100	90
Maximum operative temperature range		°C	-80÷ +100	-80÷ +100	-80÷ +100	-80÷ +100	-80÷ +90
Maximum operative temperature range with mechanical stress		°C	-40÷ +100	-40÷ +100	-40÷ +100	-40÷ +100	-40÷ +90

Sleeves

TROCELLEN is an insulating material produced with chemically cross-linked closed cell polyolefin foam (a group which includes PE, PP, copolymers EVA etc.).

Available sleeves:

TROCELLEN N

Chemically cross-linked foam without fire retardant additives.

TROCELLEN P

Chemically cross-linked foam, laminated with scratch resistant embossed polyethylene film.

TROCELLEN AL

Chemically cross-linked foam, laminated with scratch-resistant embossed metallic film.

TROCELLEN AL/CL1

Chemically cross-linked foam with fire retardant additives, certified Class 1, laminated with scratch-resistant embossed metallic film.

TROCELLEN CLASS AL (CE marked)

TROCELLEN CLASS means **CE marked** and **Euroclass** product portfolio, according to EN 14313.

Chemically cross-linked closed cell foam sleeves, colour light green, laminated with scratch-resistant embossed metallic film.

Other type available: **TROCELLEN CLASS P** sleeves, laminated with scratch-resistant embossed PE film.

Thicknesses: 6, 8, 12, 20 mm



AL/CL1



TROCELLEN CLASS AL CE marked

TECHNICAL DATA

TECHNICAL CHARACTERISTICS	NORM	UNIT	TROCELLEN N	TROCELLEN AL	TROCELLEN AL/CL1	TROCELLEN CLASS AL
Reaction to fire	UNI 8457 / UNI 9174 EN 13501-1		NA	NA	Classe 1	Euroclass D _L -s2, d0
Thermal conductivity coefficient at 0 °C (λ-value)	EN 12667	W/mK kcal/mh°C	0,0345 0,0297	0,0345 0,0297	0,0345 0,0297	0,0360 0,0310
Thermal conductivity coefficient at 40 °C (λ-value)	EN 12667	W/mK kcal/mh°C	0,0400 0,0344	0,0400 0,0344	0,0400 0,0344	0,0450 0,0387
Water vapour diffusion factor (μ-value)	EN 12086 EN ISO 12572		≥ 2000	≥ 15000	≥ 12000	≥ 15000
Density	EN ISO 845	kg/m ³	30	30	30	28
Thickness	EN ISO 1923	mm	6 - 8 - 12 - 20 (see base specifications)	6 - 8 - 12 - 20 (see base specifications)	6 - 8 - 12 - 20 (see base specifications)	6 - 8 - 12 - 20 (see base specifications)
Colour	Spec. BASE	-	anthracite grey	anthracite grey	light grey	light grey
Length		m	2	2	2	2
Compression stress at 10%	EN ISO 3386/1	kPa	24	24	18,6	13
Water absorption after 28 days	ISO 2896	Vol.%	<3	<3	<3	<3
Dimensional stability (< 5%)	ISO 2796	°C	100	100	100	90
Maximum operative temperature range		°C	-80+ +100	-80+ +100	-80+ +100	-80+ +90
Maximum operative temperature range with mechanical stress		°C	-40+ +100	-40+ +100	-40+ +100	-40+ +90



THERMAL INSULATION FOR HEATING SYSTEMS

AVAILABLE THICKNESSES					
EXTERNAL PIPE DIAMETER (inches) (mm)		TROCELLEN SLEEVES N - AL - AL/CL1 - CLASS AL			
-	6	6			
-	8	6	8		
-	10	6	8		
-	12	6	8		
-	14	6	8		
-	16	6	8		
3/8	17,2	6	8		
1/2	21,3	6	8	12	20
3/4	26,9	6	8	12	20
1	33,7	6	8	12	20
1 1/4	42,4	6	8	12	20
1 1/2	48,3	6	8	12	20
2	60,3		8	12	20
2 1/2	76,1		8	12	20
3	88,9		8	12	20
3 1/2	101,6			12	20
4	114,3			12	20
5	140				20
6	168				20



- underlay for heated floors and dividing walls
- external perimeter walls, skylights
- boiler rooms, cellars, garages, external piping, ventilation shafts

Thicknesses are suggested in accordance with Italian current legislation:
Law 09/01/91 n° 10 Pres. Dec. 26/08/93 n° 412

CONDENSATION INSULATION FOR AIR CONDITIONING AND REFRIGERATED PIPING

The thickness of the insulation (with reference to the Mollier diagram) is calculated on the basis of the temperature of the fluid in the piping, the ambient temperature and of the relative humidity of the air.

$$t_2 = \frac{0,2 \cdot \lambda \cdot (t_i - t_e)}{(d + 2s) \cdot L \cdot \frac{(d + 2s)}{d}} + t_e$$

t₂ = surf. temperature of insulation
t_i = temperature of fluid
t_e = ambient temperature
d = pipe diameter

s = thickness of insulation
L = Neperian log. (2.3 Log)
λ = thermal conductivity coefficient in kcal/hm °C

INSULATION THICKNESS (mm)																							
TEMPERATURE OF PIPE (°C)	ROOM TEMPERATURE AND RELATIVE HUMIDITY																						
	15 °C				20 °C				25 °C				30 °C				35 °C						
	50%	60%	70%	80%	50%	60%	70%	80%	50%	60%	70%	80%	50%	60%	70%	80%	50%	60%	70%	80%			
+15					6	8			6	8	12			6	8	12	20	6	8	12	20		
+10			6	8		6	8	12		6	8	12	20		6	8	12	20	8	12	20	20	
+5		6	8	20		6	6	8	20		6	8	12	20		8	12	20	30	8	12	20	30
0	6	8	12	20		6	8	12	20		8	12	20	30		8	12	20	30	8	12	20	30
-5	8	12	20	30		8	12	20	30		8	12	20	30		12	20	20	30	12	20	20	40
-10	8	12	20	30		8	12	20	30		12	20	20	30		12	20	30	40	12	20	30	40
-20	12	16	30	40		12	20	30	40		12	20	30	40		20	20	30	40	20	20	30	50
-30	20	20	30	50		16	20	30	50		20	20	30	50		20	20	30	50	20	30	40	50

Airsilent

Flexible, open cell polyester-based polyurethane foam used for sound-proofing.

PHYSICAL-CHEMICAL CHARACTERISTICS

- Density: 25 kg/m³
- Colour: anthracite
- Uniform cell structure
- Resistant to air flow with consequent improvement in sound absorption
- Increased hysteresis and reduced elasticity for enhanced shock absorption
- Resistant to organic solvents
- Stretch and tear resistant
- Hard wearing
- Temperature resistant from -20 °C to + 120 °C

Thanks to these characteristics, AIRSILENT can be cut into ashlar shapes making the product aesthetically attractive too when used externally and in view. The special composition of the foam with polyester base ensures that the product conforms to the fire behavior standard **FMVSS MOTOR VEHICLE SAFETY Std 302** for all the supplied thicknesses.

FLAT AIRSILENT

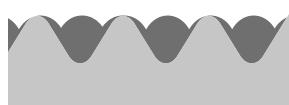
Available types:

- **K**: polyester-based polyurethane foam, anthracite colour
- **KP**: as K type bonded on one side with black embossed polyolefin film
- **AL**: as K type bonded on one side with metallic embossed polyolefin film
- **K-ALU**: as K type bonded on one side with aluminium

The black or metallic film covering is applied for protection, making the product resistant to dust and humidity and prolonging its life span.

- Size: **1.500 mm** high rolls in various lengths
- Thickness: **10 - 15 - 20 - 25 - 30 mm**

EGG-BOX SHAPED AIRSILENT



Egg-shaped section

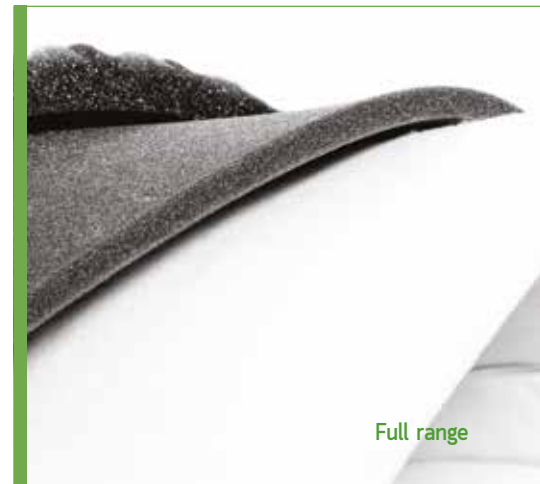
Same characteristics as K type

- Thickness:
 - 20 mm** = 10 flat and 10 Egg-box shaped
 - 30 mm** = 15 flat and 15 Egg-box shaped
 - 40 mm** = 20 flat and 20 Egg-box shaped
 - 50 mm** = 25 flat and 25 Egg-box shaped
- Size: **1.500 mm** high rolls in various lengths
- 40 mm thick available in 1,00 x 2,00 m sheets

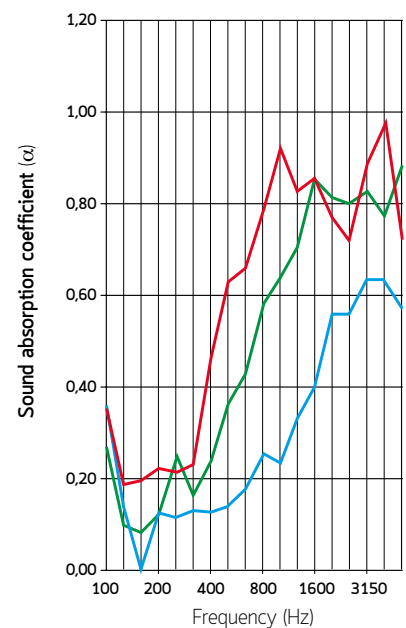
AIRSILENT TECH

Textile polyester fibres (80-90% regenerated), thermo-welded without resins and glue, density 40 kg/m³, colour white or green.

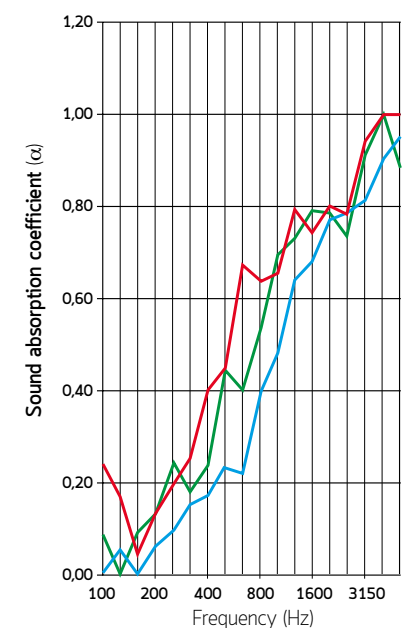
- Very good mechanical resistance
- Fire resistant, flammability classification can be CLASS 1/B-s2, d0; no fire dripping
- Ultra low toxicity and opacity of fumes in case of fire (F1 classification, according to FR F 16-101)
- Atoxic
- Thickness: **10 - 20 - 30 - 50 mm**
- Size: **1.000 or 1.200 mm** high rolls in various lengths



Full range



- 30 mm K-type Airsilent
- 20 mm K-type Airsilent
- 10 mm K-type Airsilent



- Egg-box shaped Airsilent: 20+20 mm
- Egg-box shaped Airsilent: 15+15 mm
- Egg-box shaped Airsilent: 10+10 mm



Isolmass

HEAVY LAYER PRODUCT: THE ALTERNATIVE TO LEAD

Under the APLOMB brand, **TROCELLEN** has been commercializing for many years a multi-layer product, with one or more sheets of lead, laminated with flexible insulating materials. Lead is not always readily accepted by installers and designers; which is why we have developed an alternative with a polyolefin heavy layer.

BENEFITS

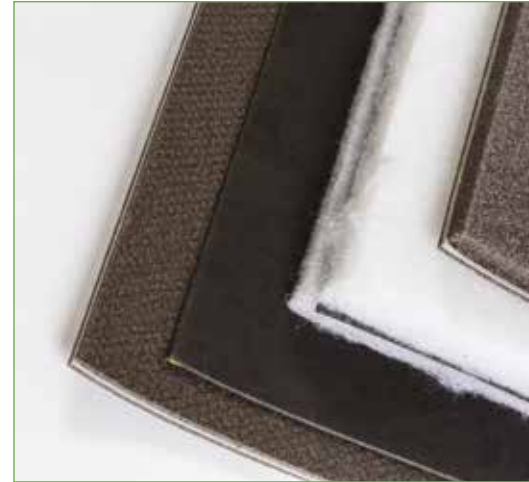
FINISHING Polyolefin-based multilayered products

COMFORT Noise reduction

SAFE Lead free

VALUE FOR MONEY High performance at low thickness

APPLICATIONS Suitable for walls, pipes and technical equipment



ISOLMASS PRODUCT LINE

A multi-layered product range, with heavy sleeve, laminated with flexible, resilient and sound absorbing materials.



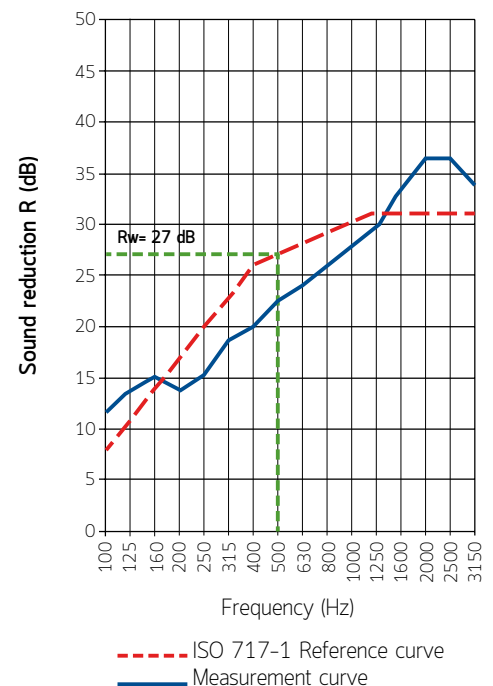
ISOLMASS 11

- **Composition:**
 - layer of polyethylene foam (anti-vibration), thickness **3 mm**
 - heavy layer weighing **4 kg/m²**, thickness **2 mm**
 - layer of open cell polyurethane (sound absorption), thickness **12 mm**
- **Size:** sheets **1,20 x 3,00 m**
- **Packaging:** rolled in cardboard box (0,25 x 0,25 x 1,20 m)
- **Applications:**
Sound insulation of waste water pipes in polyethylene or PVC. The product must be installed with the polyurethane in contact with the pipe. Wrap it around the pipe, apply adhesive tapes at the joints, and finally secure it mechanically with straps or metal wire.
- **Acoustic properties**
Airborne sound insulation - single material - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 27 dB**

Airborne sound and structure-borne sound insulation on waste water installations.

Reduction of normalized airborne sound pressure level L_{an} (EN 14366), according different water flows:

ISOLMASS 11 - INSTALLATION ON PVC PIPE	WATER FLOW			
	0,5 l/s	1 l/s	2 l/s	4 l/s
ΔL_{an} - Airborne sound insertion loss [dB(A)]	15,2	13,6	11,4	10,9
ΔL_{sc} - Structure-borne sound insertion loss [dB(A)]	3,5	4,0	3,0	2,9



ISOLMASS 22

- **Composition:**
 - layer of polyethylene foam (anti-vibration), thickness **3 mm**
 - heavy layer weighing **4 kg/m²**, thickness **2 mm**
 - layer of polyethylene foam (anti-vibration), thickness **3 mm**
- **Size:** sheets **1,20 x 3,00 m**
- **Packaging:** rolled in cardboard box (0,25 x 0,25 x 1,20 m)
- **Applications:**

Civil construction walls, flooring and technical equipment. It is used to reduce low frequency sound waves, supplying mass to the partition.

For application in buildings, it can be applied in false walls in combination with plasterboard. It can be self-adhesive for temporary application, then it must be secured with mechanical fixings.

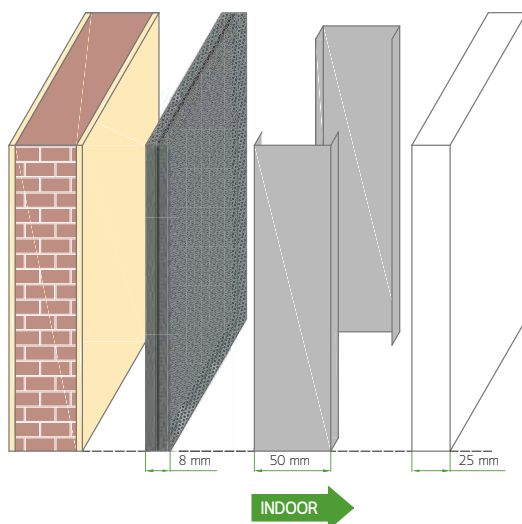
For pipes, wrap the product around the tubes and secure it with straps or metal wires. In any case, apply adhesive tapes at the joint, overlapping the product when possible.
- **Acoustic properties:**

Airborne sound insulation -single material - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **Rw = 26 dB**

Airborne sound insulation - complete drywall partition - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **Rw = 55 dB**



ISOLMASS 22 ACOUSTIC FALSE WALL



Product size:

Height 3000 mm
Width 1200 mm

- 1 Existing wall with mortar
- 2 ISOLMASS 22
- 3 Metal profiles (+optional thermal insulation) 50 mm
- 4 Double plasterboard 25 mm

ISOLMASS 1 TECH

- **Composition:**
 - layer of polyester fiber (PET), thickness **10 mm**
 - heavy layer weighing **4 kg/m²**, thickness **2 mm**
 - layer of polyester fiber (PET), thickness **20 mm**
- **Size:** sheets **1,20 x 1,50 m**
- **Applications:**

Sound insulation of civil construction walls, air-ducting, metal panels, drywall partitions. For application in buildings, it can be applied in false walls in combination with plasterboard. It can be self-adhesive for temporary application, then it must be secured with mechanical fixings.
- **Acoustic properties:**

Airborne sound insulation-single material - Weighted sound reduction index (ISO 10140-2, ISO 717-1): **Rw = 27 dB**





ISOLMASS 3 TECH FR

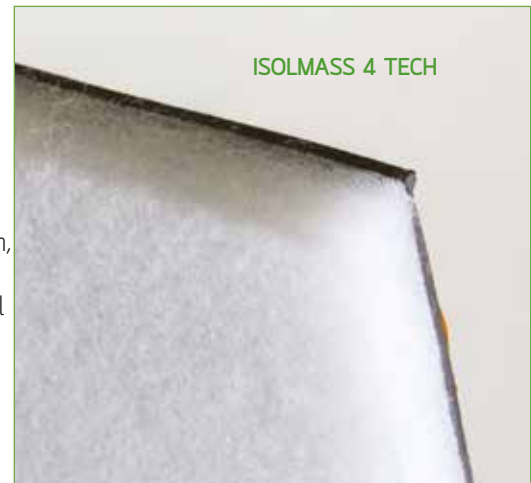
- **Composition:**
 - (optional) ALUNET®: aluminium reinforced foil
 - heavy layer weighing **3 kg/m²**, thickness **1,5 mm**
 - layer of polyester fiber (PET), thickness **12 mm**
- **Size:** sheets **1,00 x 2,00 m**
- **Applications:**
Sound insulation of drain pipes. The product must be installed with the polyester fiber in contact with the pipe. Wrap it around the pipe, apply adhesive tapes at the joints, and finally secure it mechanically with straps or plastic/metal clamps.
- **Acoustic properties:**
Airborne sound and structure-borne sound insulation on waste water installations - Reduction of normalized airborne sound pressure level L_{an} (EN 14366), according different water flows:
- **Fire reaction:**
EN 13501-1 Euroclass: B-s2,d0 / B_L-s1,d0
ISO 3575 100mm/min : Pass
DIN 4102 Class B2: Pass



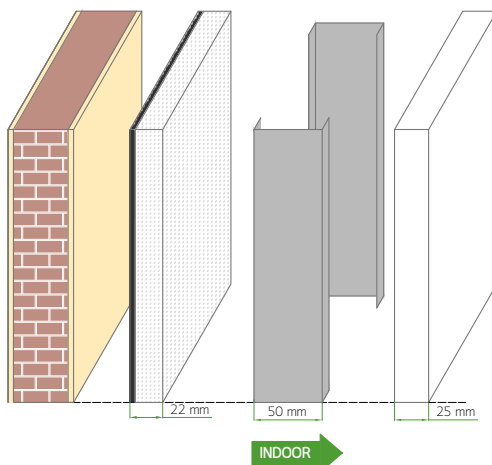
ISOLMASS 3 TECH FR - INSTALLATION ON PIPE	WATER FLOW			
	0,5 l/s	1 l/s	2 l/s	4 l/s
ΔL_{an} - Airborne sound insertion loss[dB(A)]	12,8	11,3	10,6	10,2

ISOLMASS 4 TECH

- **Composition:**
 - layer of polyester fiber (PET), thickness **20 mm**
 - heavy layer weighing **4 kg/m²**, thickness **2 mm**
- **Size:** sheets **1,20 x 1,50 m**
- **Applications:**
Sound insulation of civil construction walls, air-ducting, metal panels, drywall partitions. For application in buildings, it can be applied in false walls in combination with plasterboard. It can be self-adhesive for temporary application, then it must be secured with mechanical fixings.
For pipes, wrap the product around the tubes and secure it with straps or metal wires. In any case, apply adhesive tapes at the joint, overlapping the product when possible.
- **Acoustic properties:**
Airborne sound insulation - single material - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 27 dB**
Airborne sound insulation - complete drywall partition - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 61 dB**



ISOLMASS 4 TECH ACOUSTIC FALSE WALL



Product size:
Height 1500 mm
Width 1200 mm

- 1 Existing wall with mortar
- 2 ISOLMASS 4 TECH
- 3 Metal profiles (+optional thermal insulation) 50 mm
- 4 Double plasterboard 25 mm

ISOLMASS 4

- **Composition:**
 - heavy layer weighing **4 kg/m²**, thickness **2 mm**
 - Further basic weights available on requests.
- **Size:** sheets **1,20 x 2,00 m**
- **Applications:**

Sound insulation of civil construction walls, air-ducting, metal panels, drywall partitions. High performance of vibration damping.

For application in buildings, it can be applied in false walls in combination with plasterboard. It can be self-adhesive for temporary application, then it must be secured with mechanical fixings.

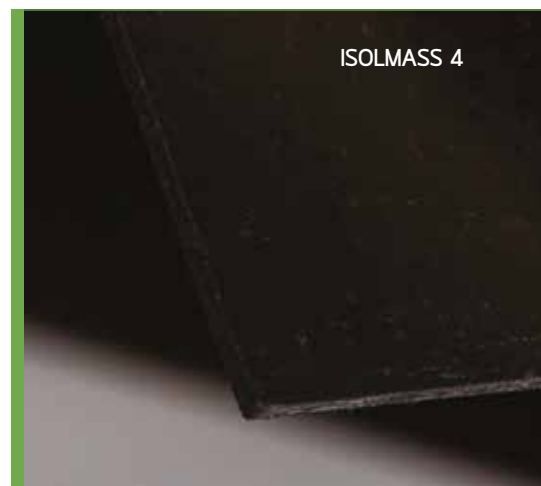
For pipes, wrap the product around the tubes and secure it with straps or metal wires. In any case, apply adhesive tapes at the joint, overlapping the product when possible.
- **Acoustic properties:**

Airborne sound insulation - single material - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 26 dB**

Airborne sound insulation - complete drywall partition - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 54 dB**

In-situ test - Airborne sound insulation - complete drywall partition (single metal profile and double plasterboard) - Weighted sound reduction index (EN ISO 140-4, EN ISO 717-1): **R'_w = 52 dB**

Increase of airborne sound insulation by single layer Isolmass 4 product: **+ 3 dB**



ISOLMASS 4

ISOLMASS FR

- **Composition:**
 - heavy layer weighing **4 to 10 kg/m²**, thickness **2-5 mm**
- **Size:** sheets **1,20 x 2,00 m**
- **Applications:**

Sound insulation of civil construction walls, air-ducting, metal panels, drywall partitions. For applications that requires high levels of fire reaction in addition to high performance of vibration damping.

For application in buildings, it can be applied in false walls in combination with plasterboard. It can be self-adhesive for temporary application, then it must be secured with mechanical fixings.

For pipes, wrap the product around the tubes and secure it with straps or metal wires. In any case, apply adhesive tapes at the joint, overlapping the product when possible.
- **Acoustic properties:**

Airborne sound insulation - single material 4 kg/sqm - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 26 dB**

Airborne sound insulation - single material 5 kg/sqm - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 29 dB**

Airborne sound insulation - single material 10 kg/sqm - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 35 dB**

Airborne sound insulation - complete drywall partition (version 4 kg/sqm) - Weighted sound reduction index (EN ISO 10140-2, EN ISO 717-1): **R_w = 54 dB**
- **Fire reaction:** EN 13501-1 Euroclass for all the basic weights:



ISOLMASS FR

VERSION/COLOR	BLUE	BLACK
Adhesive	B-s2,d0	B-s2,d0
Not adhesive	B-s2,d0	B-s2,d2



Accessories

MATIBLOCK

Special glue for bonding **TROCELLEN** seals and rolls and sheets.

CHARACTERISTICS

Synthetic polymer based glue according to the Italian D.P.R. n. 303, 19/03/1956.

It contains solvents from groups 30-41-39-33 and Toluol less than 5% (Italian D.M. 17/12/1977, appendix 1).

It is Benzol and Xilol free (Italian Law n. 245, 05/03/1963).

Temperature resistant to 120 °C

- Excellent ageing resistance
- Easy to spread

The product must be stored at a temperature not below 10 °C. Properly sealed in a warehouse for a few years. However, we recommend you use it within 2 years from purchase.

INSTRUCTION FOR USE

Mix before using. Glueing should be done in a well-aired space, preferably with a temperature between 20 °C and 30 °C to speed up evaporation of the solvent content (evaporation time around 15 minutes).

Remark: when applying on flat surfaces, ensure that the surface is properly cleaned to guarantee ideal bonding.

MATIBLOCK GLUE CONSUMPTION

For flat surfaces: 1 kg per 2,5 - 3 m²

For **TROCELLEN** Sleeves:

Thickness mm	6	8	12	16	20	30	40	50
metre	200	150	100	70	50	40	25	15

PACKAGING

- Tins: 0.850 kg net (packaging n. 6 or 24 cans);
- Cans: 15 kg net.

MATIBLOCK Glue



Full range



TROCELLEN AL/CL1



ADHESIVE STRIPS AND TAPES

To guarantee a good aesthetic finishing of the installation, in case of:

- Sections of piping where it is difficult to apply insulating sleeves;
- Joints between insulation sleeves and sheets which must be first glued with MATIBLOCK glue.

TROCELLEN ADHESIVE STRIPS

Made of cross-linked polyethylene foam, they are available types:

TROCELLEN AL - with embossed metallic film, protected by siliconized paper (50 pack)

TROCELLEN CL1 - with flame retardants, Class 1, protected by siliconized PE film (50 pack)

TROCELLEN AL/CL1 - Class 1, with embossed metallic film, protected by siliconized paper or siliconized PE film (50 pack)

TROCELLEN AL/CL1 HR - Class 1, with embossed metallic film, protected by siliconized PE film, high resistant (50 pack)

TROCELLEN CL1 ALU/L - Class 1, with aluminium sheet (50 pack)

TROCELLEN CLASS ADHESIVE STRIPS - types TROCELLEN CLASS adhesive plain and TROCELLEN CLASS ALU adhesive, thickness 3 mm

RUBBER STRIPS - with synthetic rubber (24 pack)

Strip dimensions: width 50 mm x thickness 3 mm x length 10 m

TROCELLEN ADHESIVE TAPES

To guarantee a good aesthetic finishing, the product range also contains a series of AL/CL1 and AL/CL1 HR tapes (50 mm wide, <1 mm thick, 25 mm long), protected by siliconized paper or siliconized PE film.

Aluminium tapes:

- thickness 50 µm, types embossed, smooth, self-adhesive (smooth or embossed), Duplex (with polyester film, improved tensile strength and adhesiveness). Length: 50 m

SEALS

TROCELLEN SEALS, THICKNESS 3-6 mm

These seals should be used to join metal elements (duct flanges, the edges of refrigeration cell doors and ventilation vents) to guarantee hermetic sealing and vibration damping. Acrylic self-adhesive.

Range:

- thickness 3-6 mm, width 15 mm, length 10 m, types N and CL1

EPDM SEALS

The material used for this type of sealant is EPDM/other polyolefin resin foam, offering superior compressive strength and excellent spring.

Range:

- thickness 3-4-5 mm, in 10 m rolls
- thickness 5 mm, width 30 mm, in 4 m rolls



INTERNATIONAL LOCATIONS

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TROCELLEN*

Trocellen is the first choice European polyolefin foam-solution provider. Through continuous innovations and successful partnerships we dedicate ourselves to one goal: protecting and providing comfort for people.

After more than 40 years, with 600 employees at seven sites and many cooperating companies, various partner universities, institutes and designers we offer solutions for our business partners in various industries such as construction and insulation, automotive, leisure and professional sport, adhesive tapes, footwear and packaging.

*Trocellen is the member of Furukawa Group.

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50° 49' N	07° 09' O	Germany
40° 28' N	03° 21' O	Spain
41° 53' N	12° 28' O	Italy
47° 30' N	19° 02' O	Hungary
02° 54' N	101° 28' O	Malaysia
35° 40' N	139° 49' O	Japan FURUKAWA

