



THE PANELS OF SILENCE

SOUND INSULATORS

Special Plasterboards and Dry Construction Boards

Sound Insulation for Walling Partitions

Lead and EPDM Insulation

SOUND INSULATORS

SMART® 160

THE SMALLEST, INNOVATIVE, FAST AND FUNCTIONAL VENTILATION HOLE MUFFLER

CE MARKED PRODUCT



STANDARD DIMENSIONS

Length: mm 440

Diameter: mm 160

TECHNICAL CHARACTERISTICS

- **External covering:** EPS expanded polystyrene
- **Internal covering:** expanded melamine
- **Air flow:** > 100 cm²
- **Shape:** cylindrical, corner free < 90°
- **EPS thermal conductivity (10°C):** 0,031 W/mK
- **Expanded melamine thermal conductivity (10°C):** 0,035 W/mK
- **Soundproofing:** Dn2w 43 dB

MATERIAL

Smart® 160 is the cylindrical muffer for ventilation holes that adapts to very small spaces, suitable both for new buildings and renovations. Made of a specially moulded high density printed polystyrene with improved CARBON BLACK conductivity, dark grey in color with high acoustic absorption thermal insulating material. The closed cell and waterproof EPS casing allows for an excellent insulation and protective function. The product, thanks to its elasticity, is not affected by industrial vibrations.

FIELDS OF APPLICATION

Thermal and acoustic insulation of the ventilation holes of the buildings, both for new buildings and renovations.

INSTALLATION

Smart® 160 adapts to very small spaces, a hole with a diameter of 160 mm is sufficient to insert the muffer. It can be cut with a simple hacksaw and the system is already equipped with special grilles that are inserted using pressure.

ZEUS®

MATERIAL

Zeus® is the muffler for ventilation holes that allows the compliance with the passive acoustic requisites of the façades. Zeus® is made of a special polystyrene printed at high density, impact-resistant and self-supporting polystyrene with improved CARBON BLACK conductivity, dark grey in color. Inside it is lined with a high acoustic absorption thermal insulating layer and, thanks to a special patented system "silent cable", allows for optimum air flow.

FIELDS OF APPLICATION

Thermal and acoustic insulation of the building ventilation holes. Compatible with all cement mortars and traditional plasters.

INSTALLATION

Zeus® is lightweight and quick and easy to apply as well as free from fibers inside that could circulate into the environment and in the air. Thanks to its shape and composition, it adapts to any constructive system (double masonry, monolithic, with any external coverings, etc.). It is made with material that is compatible with traditional cement mortars and plasters. Zeus® has an air inlet with a diameter of 15 cm. It is inclusive of special anti-insect grids, built-in, without the use of easily removable glues or mechanical fasteners. Zeus® is self-supporting and can therefore be applied in the implementation stage of the external façade, thus avoiding the subsequent breaking and restoring the external façade.

ZEUS® IS THE MUFFLER FOR VENTILATION HOLES THAT ALLOWS THE COMPLIANCE WITH THE PASSIVE ACOUSTIC REQUISITES OF THE FAÇADES

CE MARKED PRODUCT



STANDARD DIMENSIONS

cm. 45x34x18

Inlets diameter: 150 mm

Length: 13 cm.

TECHNICAL CHARACTERISTICS

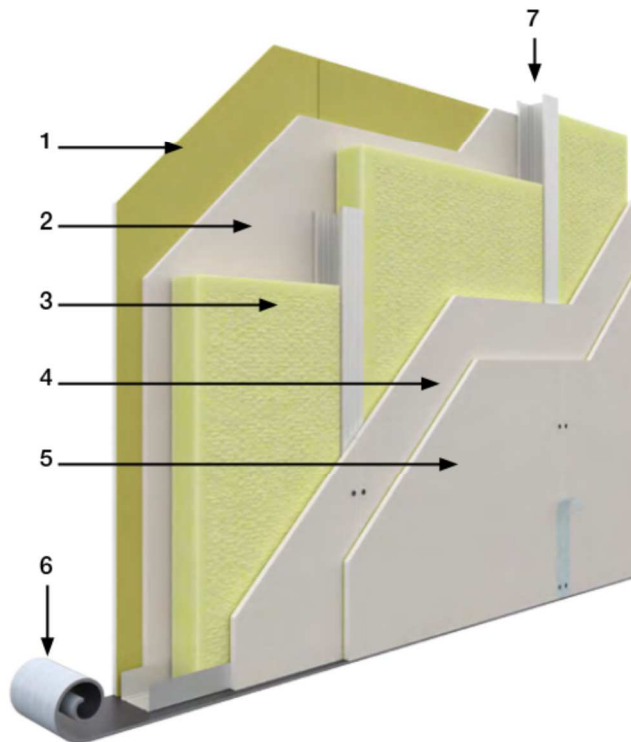
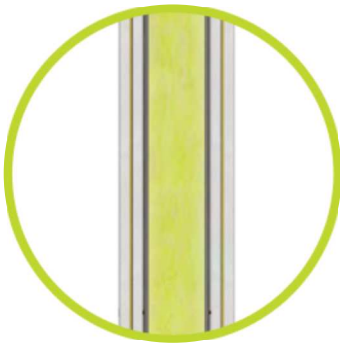
- **Soundproof insulation value:**
Dn2W= 54 dB (certified)
- **Thermal conductivity of the EPS casing:** $\lambda = 0,031$ W/mK at 10°C
- **Thermal conductivity of the soundproofing material made of melamine resin** $\lambda = 0,035$ W/mK at 10°C
- **Air flow:** >100 cm²

FIVE STAR WALLS




DRY VERTICAL PARTITIONS WITH CERTIFIED PERFORMANCE FOR NEW CONSTRUCTIONS OR RENOVATIONS

Rw= 63 dB

Certificate n. 266459 I.G.

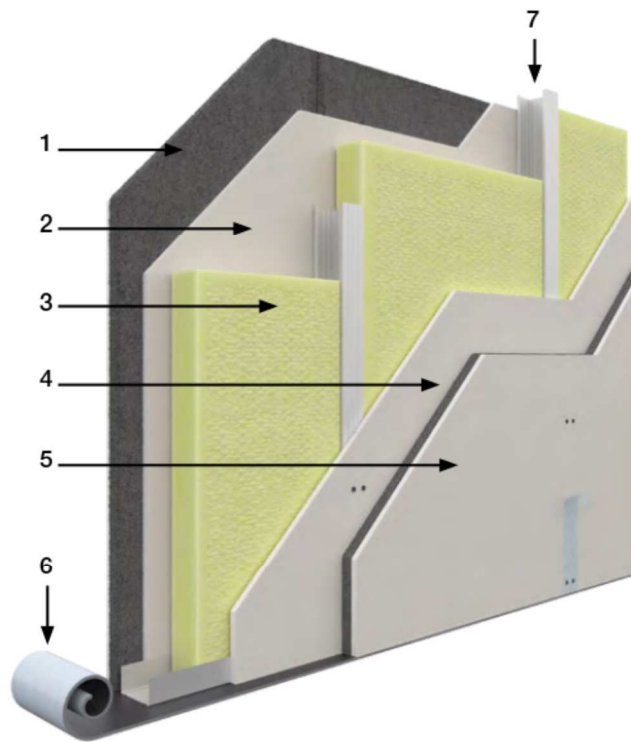


LEGEND




-  1. AKUSTIK® GIPS ART. 2
- 2. Plasterboard BA 12,5 mm
- 3. Fiberglass th. 70 mm D. 30 Kg/m³
- 4. Plasterboard BA 12,5 mm
-  5. AKUSTIK® GIPS ART. 2
-  6. AKUSTIK® BAND
- 7. Guides and uprights 50 mm

Rw= 64 dB

Certificate n. 266462 I.G.



LEGEND

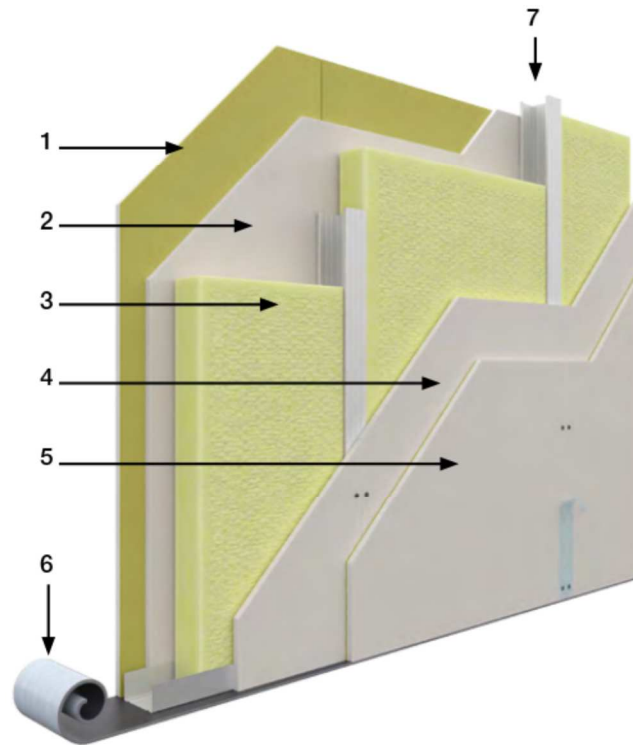
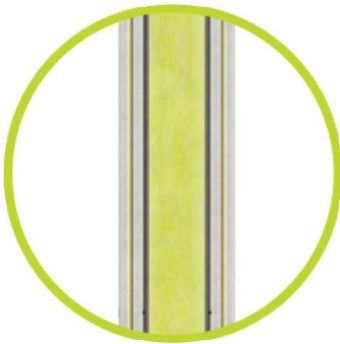
-  1. AKUSTIK® GIPS ART. 3 TOP
- 2. Plasterboard BA 12,5 mm
- 3. Fiberglass th. 70 mm D. 30 Kg/m³
- 4. Plasterboard BA 12,5 mm
-  5. AKUSTIK® GIPS ART. 3 TOP
-  6. AKUSTIK® BAND
- 7. Guides and uprights 50 mm

CERTIFIED SYSTEMS





FIVE STAR WALLS

Rw= 65 dB

Certificate n. 266466 I.G.

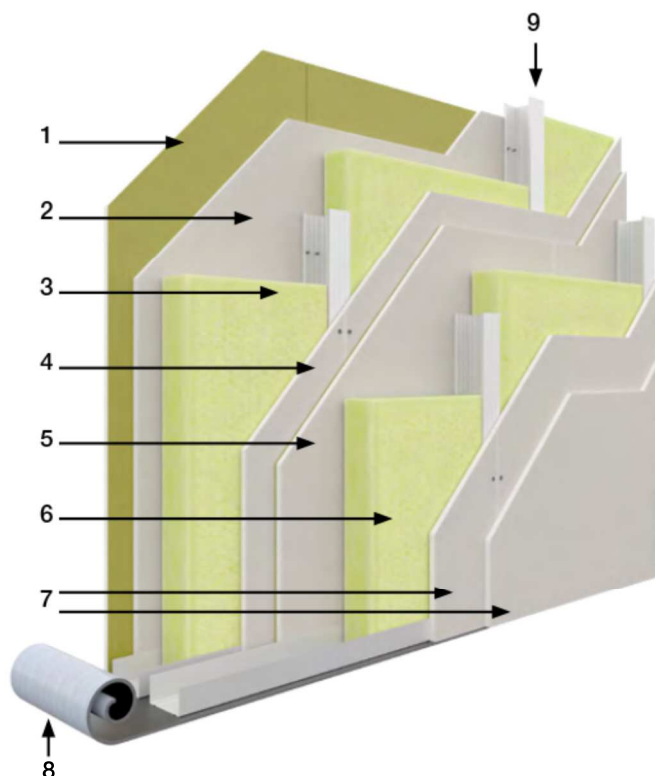


LEGEND

-  1. FERMASOUND® ART. 2
-  2. FERMASOUND® BASE
- 3. Fiberglass th. 70 mm
D. 30 Kg/m³
-  4. FERMASOUND® BASE
-  5. FERMASOUND® ART. 2
-  6. AKUSTIK® BAND
- 7. Guides and uprights 50 mm

Rw= 67 dB

Certificate n. 266460 I.G.



LEGEND

-  1. AKUSTIK® GIPS ART. 2
- 2. Plasterboard
BA 12,5 mm
- 3. Fiberglass th. 70 mm
D. 30 Kg/m³
- 4. Plasterboard
BA 12,5 mm
-  5. AKUSTIK® GIPS ART. 2
- 6. Fiberglass th. 50 mm
D. 30 Kg/m³
- 7. Plasterboard
BA 12,5 mm
-  8. AKUSTIK® BAND
- 9. Guides and uprights 50 mm

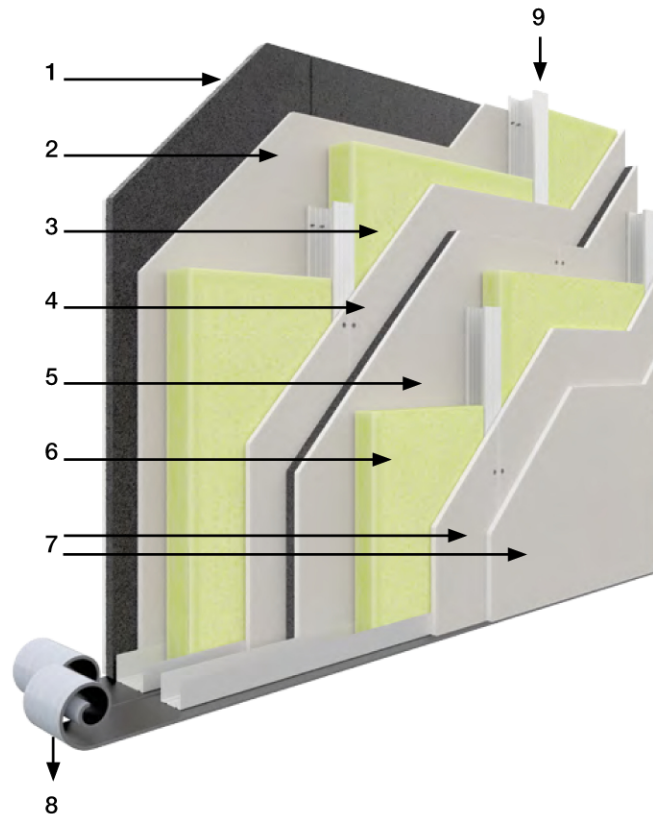
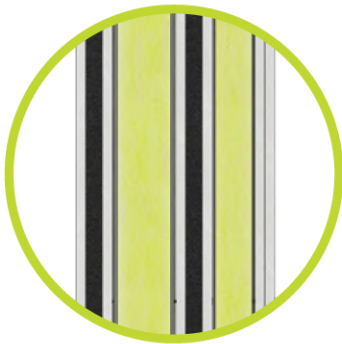
CERTIFIED SYSTEMS

FIVE STAR WALLS

CERTIFIED SYSTEMS

Rw= 68 dB

Certificate n. 318116 I.G.



LEGEND



1. AKUSTIK® GIPS ART. 3 TOP

2. Plasterboard
BA 12,5 mm

3. Fiberglass th. 70 mm
D. 30 Kg/m³

4. Plasterboard
BA 12,5 mm



5. AKUSTIK® GIPS ART. 3 TOP

6. Fiberglass th. 50 mm
D. 30 Kg/m³

7. Plasterboard
BA 12,5 mm



8. AKUSTIK® BAND

9. Guides and uprights 50 mm

Product Catalogue
2018



THE PANELS OF SILENCE
SINCE 1987

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