

G-Sound Impact membrane

Description

The G-Sound membrane range is designed to reduce impact sound by 15 to 20 dB, while at the same time acting as a moisture barrier thanks to its waterproofing properties and protecting the finish from structural movements thanks to its uncoupling function.

Its reduced thickness and fully bonded system eliminates the need for thick mortar layers, achieving an installation with a total thickness of less than 1 cm, ideal for thin floor finishes. This combination makes it an optimal solution for both new-build projects and renovation works.

Features

Performs a triple function: acoustic insulation, waterproofing and uncoupling

Lightweight, flexible and easy to handle

High compressive strength

Does not require an additional screed layer

Compatible with all types of ceramic coverings, floor finishes and natural stone

Technical data

Weight/m² (g): 440

Width (m): 1

Length (m): 30

Made from recycled products

Impact sound reduction of up to 15 dB



Manufacturer

Estil Guru S.L.U

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Producto

| Ref. | Description | Dimensions (m) |
|---------|--------------|----------------|
| IU70000 | G-Sound roll | 1 x 30 |

G-Sound Impact membrane

Test table:

| Características | Value | | | |
|--|------------------------|-------------------------|----------|-------------|
| Upper-face fibre fleece composition | PP/PES | | | |
| Lower membrane composition | PP | | | |
| Colour | GREY | | | |
| Membrane thickness | 1,2 | | | |
| Weight | 0,440kg/m ² | | | |
| Impact sound reduction | 15,2 Db | | | |
| Tear resistance L/T | > 7/7 kN/m | | | |
| Elongation | >25% | | | |
| Crack-bridging capability | ≥3mm | | | |
| C2 tile adhesive bond strength to the membrane after 28 days (14 days under laboratory conditions + 14 days at 70°C) | | | | |
| Tensile adhesion | EN 1348 | N/mm² | - | ≥0,7 |
| Shear adhesion | EN 1324 | N/mm² | - | ≥1 |
| Service temperatures | -30°C / +80°C | | | |

Installation accessories:

IGU6400 | W-S MASTIC

MS polymer adhesive sealant for bonding and waterproofing membranes to one another or at connections with other building elements.

IG61000 | W-S BAND

Joint-covering band: WATER-STOP membrane strip for covering joints between membranes, preventing acoustic bridges and providing waterproofing.

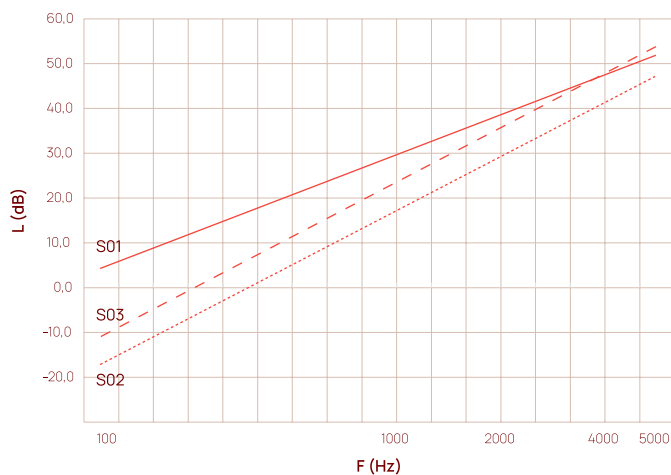
G-Sound Impact membrane

Tests performed:

Calculations according to UNE-EN ISO 12354-2:2018

Reduction in impact sound pressure level ΔL as a floating floor:

| F (Hz) | ΔL (dB) | | | F (Hz) | ΔL (dB) | | |
|--------|-----------------|-------|-------|--------|-----------------|------|------|
| | S01 | S02 | S03 | | S01 | S02 | S03 |
| 100 | -9,1 | -31,0 | -25,0 | 800 | 18,0 | 5,1 | 11,1 |
| 125 | -6,2 | -27,2 | -21,1 | 1000 | 20,9 | 9,0 | 15,0 |
| 160 | -3,0 | -22,9 | -16,8 | 1250 | 23,8 | 12,8 | 18,9 |
| 200 | -0,1 | -19,0 | -13,0 | 1600 | 27,0 | 17,1 | 23,2 |
| 250 | 2,8 | -15,1 | -9,1 | 2000 | 29,9 | 21,0 | 27,0 |
| 315 | 5,8 | -11,1 | -5,1 | 2500 | 32,8 | 24,9 | 30,9 |
| 400 | 9,0 | -7,0 | -0,9 | 3150 | 35,8 | 28,9 | 34,9 |
| 500 | 11,9 | -3,1 | 2,9 | 4000 | 39,0 | 33,0 | 39,1 |
| 630 | 14,9 | 0,9 | 7,0 | 5000 | 41,9 | 36,9 | 42,9 |



Reducción del nivel de presión acústica de impacto ΔL como suelo flotante:

| | | | |
|---|-------------------------------|---------------------------------------|------------------------|
| S01: Floating screed made of mortar | ΔL_w (dB) 15,2 | m' (kg/m ²): 220 | f_0 (Hz): 201 |
| S02: Dry floating floor (gypsum board) | ΔL_w (dB) 8,1 | m' (kg/m ²): 25 | f_0 (Hz): 597 |
| S03: Dry floating floor (wood) | ΔL_w (dB) 6,3 | m' (kg/m ²): 50 | f_0 (Hz): 422 |

Impact sound reduction: **15,2 dB**