Stravilink WallStrip

Datasheet

The resilient strip, Stravilink WallStrip, has been specially designed to minimize the flanking transmissions of load bearing walls, and improve the vibration and structural noise isolation of load bearing walls thanks to the decrease of unwanted noise transmissions through the building.

BENEFITS

- High load capacity, offering a wide range of workloads
- Tuned dynamic performance versus static stiffness
- Structural function by decreasing cracks effects on the wall (helps prevent microcracking due to differential movement of the structure)
- Excellent resistance to alkaline water environment (direct contact with wet concrete)
- Excellent adhesion to materials such as gypsum and concrete due to its rugged surface, ensuring an excellent lateral stiffness
- Excellent long term behaviour (low creep / differential deflection)
- Standard thickness of 10 mm
- Standard widths of 130 and 200 mm (other widths available on request)
- Quick and easy to install
- Easy to cut

In order to specify the correct Stravilink WallStrip solution our engineers will need to know the required acoustic performance, wall type and dimensions, and possible live loads.

If necessary this system can work in parallel with special resilient fastening systems, as Stravilink WH, to reinforce the lateral stiffness of the isolated wall.

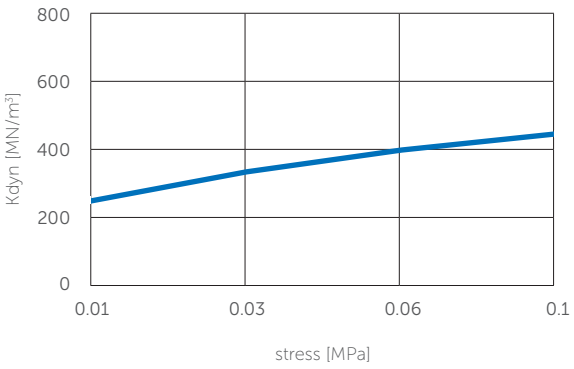
ACOUSTICAL RESULTS

Wall Type	ΔRw*
Single (60 kg/m²)	2 dB
Double (95 kg/m²)	8 dB

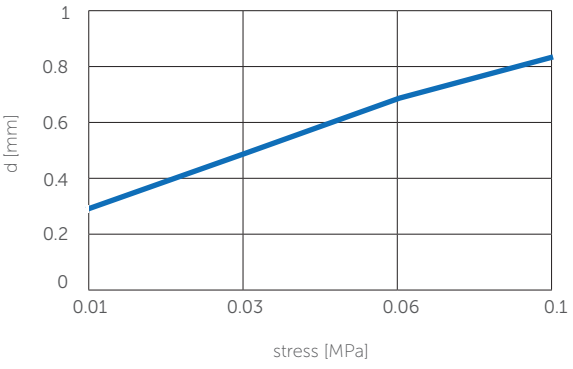
*according test made by Centre Technique des Tiles et Briques-Valérie Borg

PHYSICAL & MECHANICAL PROPERTIES

Dynamic Stiffness

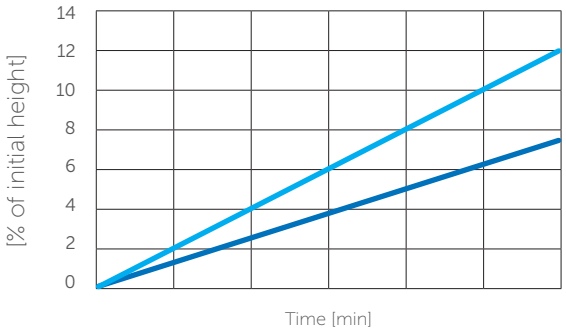


Deflection



10 mm

Additional Deflection by Creep

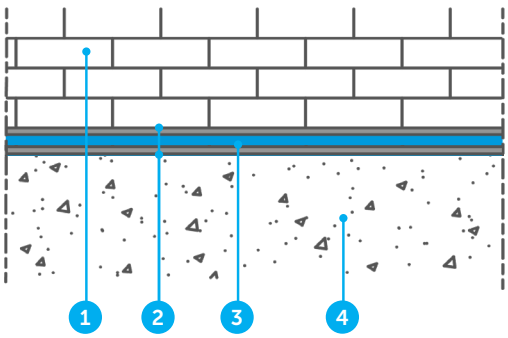


Max. allowable limit Load 0.3 [MPa]

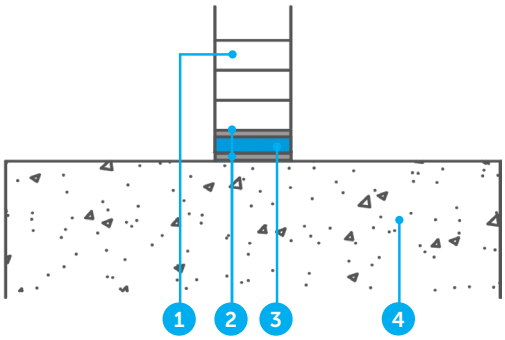
Thermal Conductivity	Reaction to fire	Density
0.13 W/m°C[1]	Class E[2] / Class B2[3]	710 kg/m[4]

[1] EN 12667
[2] EN 13501-1
[3] DIN 4102
[4] ISO 845

TYPICAL ASSEMBLIES



1. Masonry
2. Mortar bed



3. Stravilink WallStrip
4. Base structure

Installation procedures

- Installation area must be clean, smooth, level and structurally sound prior to installation
- Apply initial trace of mortar (≈10 mm)
- Install the elastic strip, Stravilink WallStrip
- Apply the 2nd layer of mortar (≈10 mm)
- Place your block or brick.

Note: follow identical application methodology for top and vertical applications

General recommendations

- The optimal solution must guarantee the total elastic cut between the masonry wall and the respective contact surfaces
- If there is a for restraining solutions with structural reinforcement between the elastically disconnected masonry and the structural wall or ceiling, looking bars must be wrapped with resilient sleeves with identical elastic quality to the Stravilink WallStrip
- Air void between double masonry should be clean (e.g., free of mortar excess) in order to avoid possible points of contact between masonry panels).

DISCLAIMER

This information is accurate to the best of our knowledge at the time of issue. Information, data and recommendations provided are based on industry accepted testing and prior product usage. It is intended as descriptive of the general capabilities and performance of our products and does not endorse applicability for any particular project. We reserve the right to change products, performance, and data without notice. This document replaces all information supplied prior to the publication hereof.

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