



# Hz Second Life Acoustic Panel 043

## Application

Hz Second Life acoustic panels can be mounted directly on ceilings, walls or steel supporting surfaces. Can be used indoors and outdoors and is not moisture absorbing. Withstands direct water impact. The panel is highly resistant to 10% salt water solution.

## Material base

Hz Second Life acoustic panel consists of specially manufactured glass granulate panels cast in moulds. Base material consists of 100% expanded recycled glass and organic polymer binder.

## Storage

Panels should be handled with care before mounting. Mechanical damage can occur. The surfaces are vulnerable.

## Execution

For direct mounting on ceilings, panels are fastened with screws suited to the supporting surface. If mounted outdoors, stainless materials must be used.

For direct wall mounting, a flexible lightweight adhesive can be used. It is applied with a notched trowel to the entire back of the panel, and the panel is then pressed firmly to the wall. Make sure the supporting surface can support at least 25 kg/m<sup>2</sup>. When mounted on rails, these are mounted with a cc of 400 mm. Screw the panels with a distance of 400 mm and use screws with a minimum diameter of 4 mm and a length that is + 25 mm in relation to the panel thickness.

## Specifications

Panel thickness	18 mm
Panel format	800 x 600 mm 1200 x 600 mm
Vægt	at 25 mm approx.. 6 kg/m <sup>2</sup>
Colour	By agreement
Fire class	A2- s1, d0 according to LVS EN ISO 1716

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## Environmental impact

Primary energy consumption	per kg	per m <sup>3</sup>
Non-recyclable energy MJ	8,22	1,891
Non-recyclable energy kWh	2,28	524,4
Recyclable energy MJ	0,38	87,4
Recyclable energy kWh	0,11	25,3
<b>Effect in categories</b>		
Global warming potential (GWP 100 years) [kg CO <sub>2</sub> -equivalent]	0,68	156
Photochem. oxidant training site. (POCP) [kg CO <sub>2</sub> -equiv.]	0,00016	0,04
Ozone depletion potential (ODP, catalytic) [kg ethylene equiv.]	0,00000005	0,000012
Acidification potential (AP) [kg SO <sub>2</sub> -equiv.]	0,002	0,46
Eutrophication (EP) [kg phosphate equiv.]	0,00038	0,09

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## LEED

### Materials and resources

Recycled content:

- LEED-NC credit-id 11-5 points
- LEED-CI credit-id 11-5 points
- LEED-CD credit-id 11-5 points

Poraver<sup>®</sup> is made from post-consumer recycled glass and provides VOC-free insulating properties.

Products with Poraver<sup>®</sup> could potentially meet a need or provide quantifiable energy savings, health or environment in the spirit of LEED, which are otherwise not covered by the classification system.

### Innovation and design process

- LEED-NC credit-id 11-5 points
- LEED-CI credit-id 11-5 points
- LEED-CD credit-id 11-5 points

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### Indoor environment quality

Thermal comfort – Design

Innovation in design:

- LEED-NC credit IEQ 7 1 Point
- LEED-CS credit IEQ 7 1 Point

Poraver<sup>®</sup> improves indoor thermal comfort due to its insulating qualities.

### Polymerbinder (PU) EPD

See homepage for details

### Steel suspension

Currently no information from manufacturer, and therefore no valid figures.

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## Manufacturing process

Primary energy consumption	per kg	per m <sup>3</sup>
Non-recyclable energy kWh	0,00066	0,66
Recyclable energy kWh	0,00066	0,66

## Instructions

For information on safety during transport, storage, handling and disposal, see the Safety Data Sheet for the product. The above statements, including particular suggestions for the processing and use of our product, are based on our knowledge and experience in normal cases and assume that the products are stored and used correctly. Due to different materials, supporting surfaces and working conditions, no general guarantee can be given for the outcome or adhesion. It is the responsibility of the user of the products at all times to verify their suitability for the purpose.

## Acoustic Plaster, that can be used for Hz Second Life Acoustic Panel 043



Hz Acoustic Plaster 03



Hz Acoustic Plaster 09