

# VISIBLE<sup>®</sup> Zero Carbon Acoustic Spray - PRODUCT INFORMATION SHEET

The World's 1<sup>st</sup> Carbon-Neutral VISIBLE<sup>®</sup> Acoustic Spray  
Solution Respects the Environment

Pure and beautiful Scandinavian nature inspires us to play our part in saving our precious planet. We contribute to the well-being of our environment and people by utilizing recycled materials, such as recycled paper and textiles, in our products. With our zero carbon products and carbon-neutral product concepts we want to promote environmental responsibility and bring sustainability to the construction industry.

The carbon-neutral VISIBLE<sup>®</sup> Acoustic Spray solution is a combination of recycled paper, wood adhesive, water, and professional installation work. The tubular structure of the cellulosic fiber enables effective reverberation absorption.

VISIBLE<sup>®</sup> Acoustic Spray is installed directly onto concrete, plasterboard, or virtually any chosen surface. The layer thickness can be selected from 5 mm to 40 mm depending on the desired damping. Layer thicknesses of more than 40 mm can also be installed.

VISIBLE<sup>®</sup> Acoustic Spray solution generates a timeless, simplified, and industrial look. Seamless VISIBLE<sup>®</sup> Acoustic Spray solution is easy to design because only the layer thickness and color are required for specification. VISIBLE<sup>®</sup> spraying is fast and cost effective.

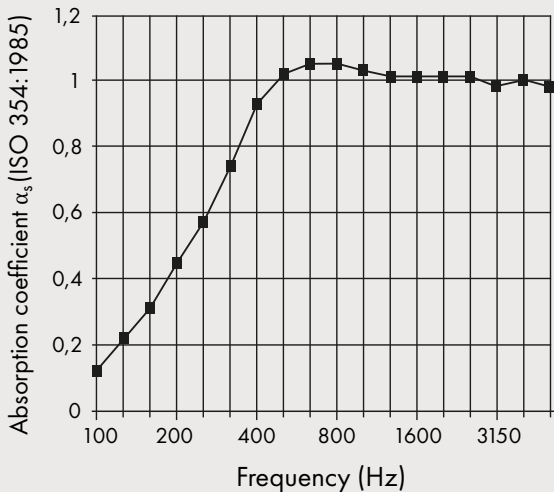


VISIBLE® Acoustic Spray solution can only be installed by VISIBLE® approved installers. Authorized installers are responsible for the quality of the installation work and the warranty. Authorized installers have undergone acoustic spraying training and have been certified for their work.

VISIBLE® is the result of 20 years of experience in various acoustic coatings and sprays at hundreds of sites all over the world.



#### Determination of Sound Absorption and Classification



Weighted absorption coefficient,  $\alpha_w$ : 0,90

Sound absorption class: A

Absorption classes: A, B, C, D, E and no classification.

## TECHNICAL FEATURES

For VISIBLE® Acoustic Spray, the acoustic classification is determined by the layer thickness. For example, 35 mm acoustic spraying provides Class A absorption.

#### VISIBLE® Acoustic Spray 50 mm

Sound absorption class: A  
Noise Reduction Coefficient (NRC): 1,1

#### VISIBLE® Acoustic Spray 35 mm

Sound absorption class: A  
Noise Reduction Coefficient (NRC): 0,9

#### VISIBLE® Acoustic Spray 25 mm

Sound absorption class: C  
Noise Reduction Coefficient (NRC): 0,8

Fire class (ASTM E84): Class A

Fire class (SBI): B - s1, d0

VISIBLE® Acoustic Spray is M1 indoor air certified.

The material is breathable.

Environmental Product Declaration (EPD), EN 15804:2012+A1:2014.

EPDs help building contractors, constructors and planners to better understand the environmental issues related to construction products and materials. The environmental impacts of a product during its life cycle have become relevant information in order to assess the environmental performance of a building or other construction works. EPDs according to the European standard EN 15804:2012+A1:2014 are voluntary, transparent and well established way to present fundamental and verified environmental information based on life cycle assessment about the environmental impacts of a product or product group.  
\*) For more information see the last page.

## REFERENCES

Over the years, hundreds of thousands of square meters of acoustic surfaces have been made e.g. in Sweden, Finland, UK, India, and UAE:

- Office space, Stockholm, Sweden, 4000 m<sup>2</sup>.
- Hotel Hellsten / Music Tower, Lobby, Helsinki, Finland, 250 m<sup>2</sup>.
- Walmart, Office space, Bangalore, India, 10 000 m<sup>2</sup>.
- Jodrell Bank, The First Light Pavilion (Visitor center), Macclesfield, UK, 950 m<sup>2</sup>.
- Channel 4 TV Studios, Headquarters, London, UK, 2200 m<sup>2</sup>.
- FRNDS Café, Dubai, UAE, 500 m<sup>2</sup>.
- JPMC, Office space, Mumbai, India, 13 400 m<sup>2</sup>.

## INFO AND SALES

Email: [susanna@invisibleceilings.com](mailto:susanna@invisibleceilings.com)

Phone: +358 50 409 5222

## INSTALLATION AND PRODUCT SUPPORT

Email: [matti@invisibleceilings.com](mailto:matti@invisibleceilings.com)

Phone: +358 44 294 8711



\*) Environmental Product Declaration (EPD),  
EN 15804:2012+A1:2014:

The core PCR:

- defines the parameters to be declared and the way in which they are collated and reported,
- describes which stages of a product's life cycle are considered in the EPD and which processes are to be included in the life cycle stages,
- defines rules for the development of scenarios,
- includes the rules for calculating the Life Cycle Inventory and the Life Cycle Impact Assessment underlying the EPD, including the specification of the data quality to be applied,
- includes the rules for reporting predetermined, environmental and health information, that is not covered by LCA for a product, construction process and construction service where necessary,
- defines the conditions under which construction products can be compared based on the information provided by EPD. For the EPD of construction services the same rules and requirements apply as for the EPD of construction products.

About the testing company VTT:

VTT is one of the leading research and technology organisations in Europe. Our research and innovation services give our partners, both private and public, all over the world a competitive edge. We pave the way for the future by developing new smart technologies, profitable solutions and innovation services. We create technology for business – for the benefit of society.  
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