

Heradesign Ceiling Systems



Processing information & installation instructions

General information

Heradesign acoustic panels are delivered to the building site carefully packed and quality tested. However, further important factors for obtaining a high quality ceiling or ceiling design are exact processing and suitable work conditions. This is because only careful work and high product quality standards ensure a satisfactory result.

Material and humidity

Due to the organic component of wood, slight deviations in the size cannot be ruled out. Particularly if there is strongly fluctuating humidity, dimensional changes can occur due to the shrinkage and swelling behaviours of the panels.

Production tolerance:

- For nominal dimensions (length/width/thickness): ± 1 mm
- For lengths over 1250 mm: length ± 2 mm; width/thickness ± 1 mm

Final shrinkage in a standard climate of 23°C and 50% rel. humidity:

- Change of length: max. $\pm 1\text{‰}$
- Change of width: max. $\pm 3\text{‰}$

Colour and structure

Due to the organic nature of the raw materials magnesite and wood, differences in the colour and structure may occur. The installation direction (preferred fibre direction), marked by an arrow on the back of the panel, must be observed for square panels.

Compared to the standard products, the A2 products have a more inhomogeneous density of the fibre structure on the surface.

Acoustic panels with the fibre structures *macro*, *superfine*, *fine*, *fine A2* and *superfine A2* can also be coloured multiple times without losing their outstanding sound absorption properties.

Colour quality

An interior emulsion paint is used for colouring Heradesign acoustic panels in standard white, while silicate paints based on potassium silicate with an organic bonding agent additive are used for colouring Heradesign acoustic panels in natural tone, pastel colours or solid colours. For applications with a constant rel. humidity between 80 and 90% the paint should be used with a BFA additive.

Heradesign Ceiling Systems



Processing information & installation instructions

For sheltered outdoor applications the type with exterior paint must be used.

Storage and installation conditions

The installation of Heradesign acoustic panels is part of dry work and interior decorating and may only be carried out under controlled humidity and temperature conditions. All dust-causing construction measures must be completed before starting the installation. It must no longer be possible for moisture or rain water to penetrate. Furthermore, before starting with the installation work, a closed building envelope has to be ensured and all screed work and internal plastering must have been completed for at least 14 days. Only install panels in rooms where the following conditions are insured:

- For heated or air-conditioned rooms: maximum relative humidity 75%, temperature at least + 7°C.
- For unheated rooms: maximum relative humidity 85%, temperature at least + 5°C.
- Conditioning or acclimatisation: The panels have to be stored without the packaging for at least 3 days in the room where they are to be installed, under the same conditions as when the room will be in use (incl. heating and climate situation).

The maximum installation moisture of the Heradesign acoustic panels must not exceed 15% by weight.

Application limits

Heradesign acoustic panels are suitable for applications up to a constant relative humidity of 90%.