

# Heradesign<sup>®</sup> micro plus

2-layer, magnesite bonded, wood wool decorative panel with fine pored surface and glued-on rock wool layer.

## Product Type

Heradesign<sup>®</sup> micro plus, **WW - EN 13168 - L3-W2-T2-S3-P2-CS(10)200-CI3**  
 Heralan stone wool, **MW - EN 13162 - T4-DS(T+)-TR1-WS-WL(P)**

## Advantages

- Heralan stone wool: non-combustible, A1 accord. to EN 133501-1
- high thermal insulation
- stable surface
- easy to work with

## Application

- Basements, underground and multi storey car parks, multi purpose buildings, industrial halls.

## Formats

- 1200 x 600 mm; edge design: AK-01

## Colours

- We recommend white ( similar RAL 9010) or natural tone 13 (beige)

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### **Note:**

- Deviations in colour tone against colour chart and colour feeling are possible due to the rough fibre rep. panel surface.
- Maximum change of dimensions at standard operating environment 23 °C/50 % rel. air humidity max:  $\pm 1 \text{ ‰}$
- Fixing to solid concrete slabs with Heraklith DDS concrete screws of Heraklith DM R stainless steel dowel, minimum 2 or 5 pieces per panel

### **Limit of use:**

- Max. span 600 mm
- Suitable for use in environments having a continuous rel. air humidity of up to 90 %. For conditions above 80 % rel. air humidity constructional physics advise is necessary.
- Do not glue panels against ceilings and walls!

## Delivery programme

|                                    |                           |             |             |
|------------------------------------|---------------------------|-------------|-------------|
| <i>Thickness</i>                   | <i>[mm]</i>               | 100         | 125         |
| <i>Ply construction micro plus</i> | <i>[mm]</i>               | 25          | 25          |
| <i>Heralan</i>                     | <i>[mm]</i>               | 75          | 100         |
| <i>Weight</i>                      | <i>[kg/m<sup>2</sup>]</i> | <b>21,0</b> | <b>23,0</b> |
| <i>Format</i>                      | <i>[mm]</i>               | 1200 x 600  |             |

Delivery form: palletted, with protective carton. Supplied only in complete packaging units!

## Technical specifications

| Characteristic   | Symbol              | Description/Data |        | Unit                 | Standard      |
|--|---------------------|------------------|--------|----------------------|---------------|
| Fire behavior of <i>micro plus</i><br>Fire behavior of <i>Heralan</i>                        | ---                 | B-s1, d0<br>A1   |        | [---]                | ÖN EN 13501-1 |
| Thickness  | d                   | 100              | 125    | [mm]                 | ÖN EN 13168   |
| Thermal conductivity of: <i>micro plus</i>   | $\lambda_D$         | 0,095            | 0,095  | [W/mK]               | ÖN EN 12667   |
| Thermal conductivity of: <i>Heralan DP-9</i>   |                     | 0,037            | 0,037  |                      |               |
| Thermal resistance   | $R_D$               | 2,25             | 2,95   | [m <sup>2</sup> K/W] | ÖN EN 13168   |
| Flexural strength <i>micro plus</i> *)   | $\textcircled{9}_b$ | >2000            | >2000  | [kPa]                | ÖN EN 12089   |
| Diffusion resistance value <i>micro plus</i><br>Diffusion resistance value of <i>Heralan</i> | $\mu$               | 5<br>1           | 5<br>1 | [---]                | ÖN EN 12086   |

\*) According procedure A of EN 12089

## Sound absorption values $\alpha_p$

| Frequency (Hz)   | 125  | 250  | 500  | 1000 | 2000 | 4000 | NRC  | $\alpha_w$ |
|--|------|------|------|------|------|------|------|------------|
| <b>Heradesign® micro plus, 25 mm + 105 mm Heralan Stone wool</b> |      |      |      |      |      |      |      |            |
| Without gap  | 0,47 | 0,40 | 0,35 | 0,29 | 0,29 | 0,33 | 0,35 | 0,35(L)    |

Figures for other designs on request

The installation of Heradesign panels is part of the interior works and have to be carried out under controlled humidity and temperature conditions. Any buildings activities which gives rise to dust and humidity have to be completed before starting installation of panels.

Store panels flat and protect against humidity and dirt. Stack a maximum of two pallets, height maximum 250 cm. The packaging provided does not provide protection from rain.

Please pay attention to the application, installation and storage guidelines of Heradesign elements.

For further information, please contact:

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