

Heraklith® | Processing Instructions

Wood wool cement panels



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1. General

The following applies to all our wood wool panels:

- All Heraklith® wood-wool products meet national and international certification requirements. For product information, please visit our website www.heraklith.co.uk.
- On the basis of the applicable Knauf Insulation General Terms and Conditions for Sales and Delivery, warranty is only provided on the wood wool panels and mounting materials supplied by Knauf Insulation if all instructions included in these Processing Instructions have been strictly observed. This is to be demonstrated by the processor.
- The wood wool panels are packed on pallets with protective corners that have been provided with a label containing the necessary product information.

2. Inspection of the delivery

After unloading, the delivery note must be signed at all times. It states the time of delivery, the number of products delivered, and the quality of the delivery (visual inspection for signs of damage). Visible damage or other irregularities must be stated on the CMR/delivery note; if this is not done, any liabilities by Knauf Insulation for transport damage will become null and void.

3. Storage, protection, and acclimatisation

- The wood wool panels should be acclimatised for at least 48 hours in the area in which they will be used, at a temperature similar to that of the expected final ambient conditions.
- The packaging should be removed when acclimatising.
- The room in which the panels acclimatise, must be protected from the direct effects of moisture, such as rainwater and leakage, at all times.
- Before use, store horizontally, preferably on the pallet they were delivered on, or at right angles on three wooden beams.

- When stacking the panels, place the sides that will be visible against each other.
- When being used indoors, panels should be installed in a ventilated, glazed space. Do not use heaters in areas where wood wool panels are being processed.

4. Tolerances

All wood wool panels have been manufactured in accordance with the European EN 13168 standard and the tolerances stipulated. These tolerances may vary from one product to the next. Please refer to the product sheets of the panel types concerned. Product sheets can be consulted on our website www.heraklith.co.uk.

5. Laying direction

The panels stacked on the pallet have been placed in the same direction as they were manufactured and should be processed in this direction. Wood wool panels should preferably be manufactured with faceted edges and be placed in stretcher bond.

6. Weight of panels

The weight of the solid wood wool panels depends on the product and its thickness. The weights per square metre are stated on the product sheets of the panel types concerned.

7. Mounting

■ 7.1. Mounting materials

The Heraklith range includes different mounting materials.

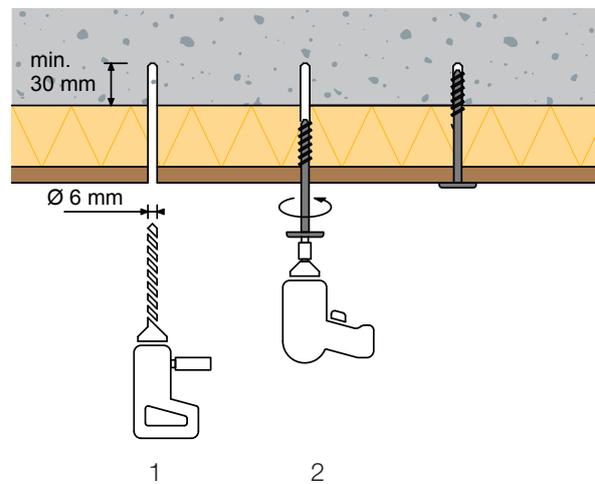
To mount a product directly onto concrete, we supply the 'DDS plus concrete screw'. To mount either Tektalan or A2 Finishing Panels in a **fire-resistant** manner, you should always use the DDS plus concrete screw. To mount onto wooden latticework, you can use the Heraklith wood screw.

All mounting materials are to be positioned according to the mounting pattern and mounting grid appropriate for the different panel types. The different patterns are described in paragraph 8.2. The mounting grids are described in paragraph 8.3.

■ 7.1.1. DDS plus Concrete Screw

Determine the density of the concrete and choose the appropriate drill. As a standard, we recommend you use a drilling diameter of 6 mm. Softer and/or older concrete types may require a smaller drilling diameter. That is why you should always test whether the plug will actually stay there when you use the indicated drill diameter.

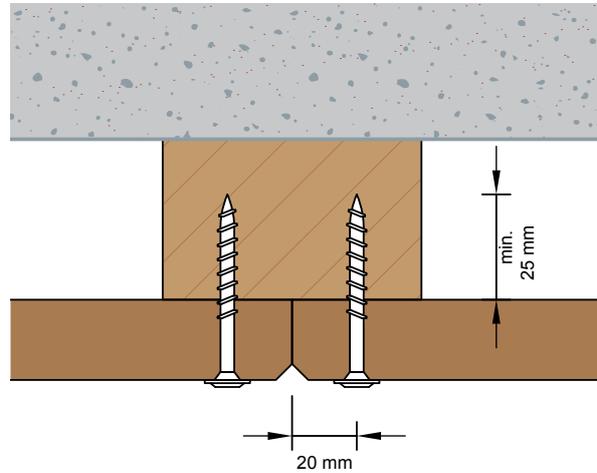
- 1. Drill through the predrilled panel into the concrete using an impact drill in accordance with the corresponding mounting pattern.
- 2. Push the screw into the drilled hole through the panel and screw it in using a power screwdriver.



■ 7.1.2. Wood screw

Determine the centre-to-centre distance of the wooden latticework on top according to the recommended mounting grid in paragraph 8.3.2. Panel thickness plus 25 mm is the minimum screw length.

We recommend using our Heraklith Wood Screw to mount panels onto wooden latticework. The flanged head will prevent the panels from coming off as a result of wind load. When Heraklith wood screws are used, the panels need not be predrilled.



■ 7.2. Standard mounting pattern

The patterns below are the mounting patterns required by Heraklith®. The different patterns are subdivided by product type and, if applicable, to

the various measurements. All measurements are indicated in millimetres

■ 7.2.1. Directly onto concrete

<p>A2 Decorative panel</p>	<p>8-point</p> <p>2000 x 600</p> <p>100 mm</p> <p>200 mm</p>
<p>Tektalan A2</p>	<p>6-point: Fire-resistant</p> <p>1000 x 600</p> <p>100 mm</p> <p>100 mm</p>

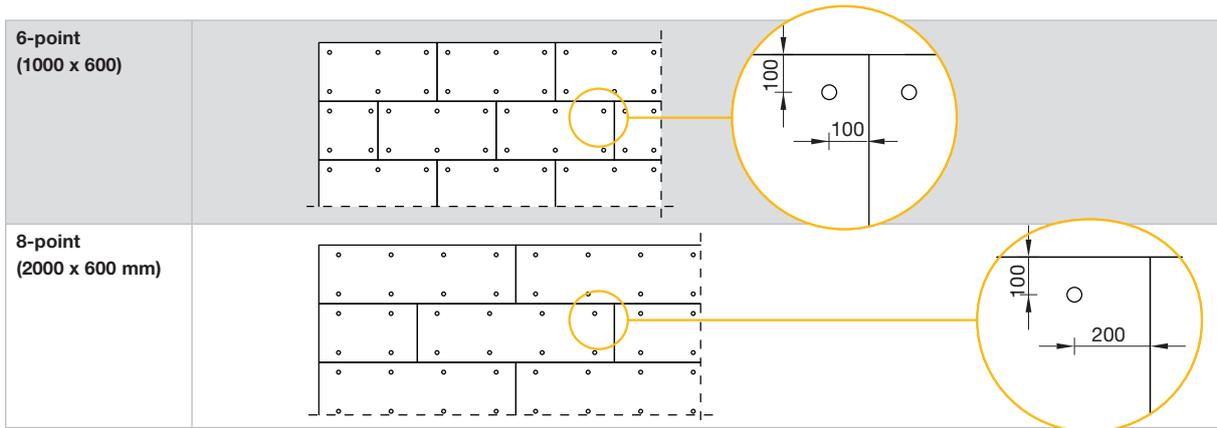
■ 7.2.2. Wooden latticework / CD metal profiles

<p>A2 Decorative panel</p>	<p>8-point: 25-50 mm panel thickness</p> <p>2000 x 600</p> <p>20 mm</p> <p>20 mm</p>
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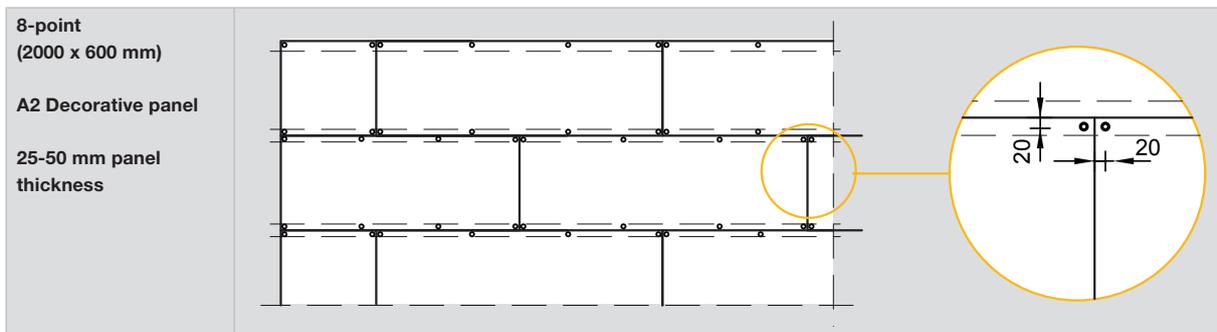
■ 7.3. Recommended mounting grid

The positioning and dimensioning of the different mounting patterns have to be applied in combination with the mounting grids below. All measurements are indicated in millimetres

■ 7.3.1. Directly onto concrete



■ 7.3.2. Wooden latticework / CD metal profiles



8. Treating dark coloured panels

Dark coloured panels in particular can show visible signs of damage if the wood wool fibres have been broken. In order to prevent such damage, always stack the panels so that the sides that will be visible are against each other. Do not use damaged panels. We recommend finishing or spraying dark coloured panels after installation. This is done at your own expense.

9. Preventing moisture spots

Wood wool panels are insensitive to moisture. However, the coating provided in the factory of Knauf Insulation may turn brown after contact with water. This is caused by the penetrating water dissolving pigments in the wood and transporting these pigments to the visible side of the panel. The following solutions can be applied:

- Water in panels can be prevented with proper detailing, protecting and finishing in accordance with our guidelines.
- Lightly scour the sand panels after drying with fine sand paper (grit 80).
- Apply a light coat of Herapaint in the same RAL or NCS colour.

10. Maintenance / Cleaning

Wood wool panels are easy to clean using a soft brush or compressed air. Do not use water to clean the panels.

11. Specific knowledge

Although the wood wool panels of Knauf Insulation are delivered in combination with extensive Processing Instructions, the processing party must have sufficient specific knowledge of the way such products are processed in order to be able to apply the Processing Instructions correctly. Correct processing of the wood wool panels is the full responsibility of the processing party. Knauf Insulation can never be held responsible for any improper processing. If in doubt, make sure to contact your supplier or consult the website www.heraklith.co.uk for further product information or other information.

12. Further information

For more information and terms & conditions, please contact your supplier.

If you are unable to get in touch with your supplier, please send an e-mail to: info.nl@heraklith.com



Heraklith®



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