

# ***KNAUF***

## ***READY, SET, TILE!***

*PERMAROCK® Cement Board Indoor*



***Build on us.***

**PERMAROCK®**

## PERMAROCK® CEMENT BOARD INDOOR IS READY KEYED FOR TILING



1. PERMAROCK® Cement Board Indoor
2. Knauf Maxi Screw
3. Knauf Joint Adhesive (PU)
4. Board Primer
  - > In non-wet area, use Knauf Board Primer
  - > In wet area, use a suitable waterproofing membrane in accordance with AS 3740 requirements
5. Tile adhesive to AS ISO 13007.1:2020 and AS 3958-2023 requirements
6. Ceramic/stone tiles to Architect's design

PERMAROCK® Cement Board Indoor is designed to handle tiles up to 50 kg/m<sup>2</sup> without extra measures or additional preparation.

Set Rondo steel studs at maximum 600 mm for horizontal and vertical installation of the boards. Ensure steel studs have min. 50 mm flange for fixing at Permarock butt joints (e.g. Rondo DUPLEX stud).

A maximum tile size of 600 mm x 600 mm can be used with Permarock board, ensure a suitable adhesive is selected to manufacturer's recommendations in accordance with requirements of AS ISO 13007.1-2020 and AS 3985-2023.

\* Please contact Knauf TecASSIST for further information.

### Knauf recommends the following for the use of heavier tiles with a weight of up to 120 kg/m<sup>2</sup>

- To carry tile weights of up to 120 kg/m<sup>2</sup> and maximum size of 600 mm x 600 mm, ensure the steel studs have been designed and detailed by Rondo to a maximum of 300 mm spacing. Note all steel studs at Permarock board butt joint are required to have a min. 50 mm flange for fixing, use Rondo Duplex stud as an example.
- Maximum wall height not to exceed 3 metres. Furthermore, the tiles should not only be glued to the Permarock board but also bear directly on the floor or on a loading bearing support.
- Select suitable adhesives according to manufacturer's recommendations in accordance with requirements of AS ISO 13007.1-2020 and AS 3985-2023.

## PERMAROCK® Cement Board Indoor

Tile type	Max tile/ stone weight (kg/m <sup>2</sup> )	Max tile/ stone size (mm)	Max studs spacing (mm)	Stud deflection limit	Max screw spacing (mm) for fixing Permarock	Max wall height (mm)	Tile/stone placement
Ceramic	50	600 x 600	600	H / 360	250	According to standards recommendation and project structural requirements	Direct on Permarock lining without a load bearing support
Stone				H / 720			
Ceramic	120	600 x 600	300	H / 360	100	3,000	Directly on the floor or provide on a load bearing support
Stone				H / 720			

#### Notes:

- \* The tile weight information given in the table are the maximum allowable values. Project specific requirements should be considered when selecting a tile type or system.
- \* PERMAROCK® Cement Board Indoor sheet width is critical for the performance and must have at least 2 screws in the field (at each stud location) and spacing as indicated in the above table.
- \* Refer to Project Engineer and Rondo for stud design and details. Ensure the tile loads are shared between minimum 2 studs.
- \* Refer to tile adhesive manufacturer and AS ISO 13007.1:2020 for information on suitability and installation.
- \* Refer to AS 3958:2023 for installation of ceramic and stone tiles.

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Product Resources