



# RWH

## Vapour-permeable reinforcing board with wood fibre basis

MUF-glued RWH board with a smooth Topfinish layer is perfectly suited to structural applications in damp conditions. The unique composition and finish of the board limits swelling and expansion in damp spaces. RWH board is suitable for applications in service class 2 (limited temperature and atmospheric humidity) and can only be used in biological hazard classes 1 and 2 of EN Standard 335-3.

### Applications

- Walls
- Roofs

### Characteristics



MDF.RWH



Structural applications



Moisture resistant



Tongue-and-groove joints (optional)



Topfinish



# RWH

## Applications

RWH is suitable for various structural applications. This fibreboard can be used as a reinforcing board for walls and roofs in timber construction. As a rigid underlay for roofs and walls, RWH also provides extra thermal and sound insulation.

## Technical specifications

General characteristics + Standard	Unit	Average values
Thickness EN 324-1	mm	16
Moisture level EN 322	%	6-10
Thermal conductivity coefficient EN 13986	W/m.K	0,10
Specific heat capacity c	kJ/kg.K	2100
Water vapour permeability $\mu$ EN 12572 (wet cup)		12
Water vapour permeability $\mu$ EN 12572 (dry cup)		20
Reaction to fire class EN 13501-1		E-s2,d0
Water permeability EN 12567		Impermeable
Technical characteristics + Standard		5/95 percentile values
Bending strength EN 310	N/mm <sup>2</sup>	14
Internal bond EN 319	N/mm <sup>2</sup>	0,30
Bending stiffness EN 310	N/mm <sup>2</sup>	1600
Swelling 24h EN 317	%	10
Internal bond after cyclic test EN 321 option 1	N/mm <sup>2</sup>	0,15
Swelling after cyclic test EN 321 option 1	%	10

RWH comes under formaldehyde emission class E1 and meets the general requirements as described in EN Standard 622-1.

## Finishes

RWH is available as standard with straight edges, but can also be finished with a tongue-and-groove system (TG). The toothed profile ensures high stability and simple installation. This makes it possible to nail or screw the panels blind.

## Available dimensions and thicknesses

RWH is available from stock. Consult the complete UNILIN Panels stock range at [www.unilinpanels.com](http://www.unilinpanels.com).

For our technical capabilities on custom thicknesses and dimensions, as well as minimum order requirements, please contact our sales team or email [info.panels@unilin.com](mailto:info.panels@unilin.com).

## Certificates

UNILIN Division Panels is actively committed to sustainable forest management. RWH is available on demand with PEFC and FSC® labelling.

