



# Durelis

## Moisture-resistant, multifunctional construction board

Durelis is an MUF-glued, versatile, moisture-resistant chipboard suitable for load-bearing applications. As an excellent alternative to traditional OSB/3 boards, Durelis is suitable for applications in environments with a high atmospheric humidity level. Durelis' unique composition ensures that swelling and linear expansion remain limited. These construction boards can be used 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
- Floors
- Roofs
- Concrete formwork
- Interior

### Characteristics



Product class P5



Structural Applications



Moisture-resistant



TopFinish or sanded



Tongue-and-groove joints (optional)



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## Applications

Durelis can be used in both traditional housing construction and timber construction as a structural construction board for floors, roofs or walls. This board is also useful for non-load bearing applications, such as interior fittings in zones with a high atmospheric humidity. Furthermore, it works perfectly as single use or re-usable concrete formwork with a TopFinish surface. Consult the UNILIN construction manual with detailed instructions for use and characteristic metrics at [www.unilinpanels.com](http://www.unilinpanels.com).

## Technical specifications

General characteristics + Standard	Unit	Average values									
Thickness EN 324-1	mm	10	11	12	15	18	19	20	21	22	25
Moisture level EN 322	%	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10
Water vapour permeability		50	50	50	50	50	50	50	50	50	50
Technical characteristics + Standard		5/95 percentile values									
Bending strength EN 310	N/mm <sup>2</sup>	18	18	18	16	16	16	16	14	14	14
Internal bond EN 319	N/mm <sup>2</sup>	0,45	0,45	0,45	0,45	0,45	0,45	0,45	0,40	0,40	0,40
Bending stiffness EN 310	N/mm <sup>2</sup>	2550	2550	2550	2400	2400	2400	2400	2150	2150	2150
Swelling/24 hours EN 317	%	13	11	11	10	10	10	10	10	10	10
Internal bond after cyclic test EN 321-1	N/mm <sup>2</sup>	0,25	0,25	0,25	0,22	0,22	0,22	0,22	0,20	0,20	0,20
Swelling after cyclic test EN 321-1	%	12	12	12	12	12	12	12	11	11	11

Durelis meets the general requirements described in Table 1 of EN Standard 312 and comes under formaldehyde emission class E1.

## Finish

Durelis is available with a sanded surface or a TopFinish surface.

The heat-treated TopFinish surface (TF) creates an extra-hard, sealed surface with greater impact resistance, and it is easy to clean. The increased concentration of natural paraffin in the surface increases its moisture resistance. Our boards with a TopFinish surface also score highly for air tightness. These advantages mean that boards with a TopFinish surface are particularly suitable for building applications.

A fine, sanded surface (SA) is recommended if the Durelis board is going to receive an additional finish of melamine, finishing foil, lacquer, veneer or laminate, as is often the case in interior applications.

Durelis 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. The system makes it possible to nail or screw the panels blind.

## Available dimensions and thicknesses

Durelis is available from stock in various finishes, thicknesses and dimensions. 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. Durelis is available on demand with PEFC and FSC® labelling.

