



# Betonforce Black

Moisture-resistant, structural board with lacquer-coating and sealed edges for re-useable concrete formwork

Betonforce Black is an MUF-glued, high-density chipboard. The boards have a smooth, dark and shiny concrete formwork UV lacquer on both sides. This waterproof and leach-resistant acrylic lacquer is in three layers: one layer of pore filler and two finishing layers. To keep moisture absorption to a minimum, the edges of the boards are sealed. Betonforce Black has an excellent screwable core and only demonstrates minimal expansion and swelling at high atmospheric humidity. Betonforce Black can also be finished in another colour combination on demand and subject to minimum order requirements.

## Applications

- Concrete formwork

## Characteristics



Product class P5



Structural applications



Moisture resistant



Lacquered



Re-usable



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## Applications

When used with suitable dismantling oil, Betonforce Black is an ideal concrete formwork board for repeated use. To prevent bending, appropriate support for the board is recommended. Always use appropriate tools when sawing, milling or drilling. Betonforce Black is not suitable for permanent installation in service class 3 environments.

## Technical specifications

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

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

## Available dimensions and thicknesses

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

For our technical possibilities in terms of different 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. Betonforce Black is available on demand with PEFC and FSC® labelling.

