



Concrete formwork

Solutions for
concrete formwork



Concrete formwork

High-quality and cost-efficient

A smooth result, flexible dimensions and attractive pricing

MELAMINE



- High concrete quality
- 2-sided **smooth and resistant** protective layer
- Very easy to **clean and remove**
- **Fewer cavities** in the concrete surface
- **Minimal colour difference** in the concrete surface

STRUCTURAL, HUMID ENVIRONMENT
(P5 service class 2)

BetonSpan P5

NON-STRUCTURAL, HUMID ENVIRONMENT
(P3 service class 2)

BetonSpan P3

LACQUER



- UV **acrylic lacquer**
- Surface **resistant** to construction chemicals
- Very easy to **clean and remove**
- **Fewer concrete flakes**

STRUCTURAL, HUMID ENVIRONMENT
(P5 service class 2)

BetonForce

- Edge coating - reduced swelling during storage in higher relative humidity

NON-STRUCTURAL, HUMID ENVIRONMENT
(P3 service class 2)

AcrySpan

- Lacquered on one or both sides

RAW



- **Simple application**
- **Non-architectonic** concrete surfaces

STRUCTURAL, HUMID ENVIRONMENT
(P5 service class 2)

Durelis

NON-STRUCTURAL, HUMID ENVIRONMENT
(P3 service class 2)

Hydrolis WRB

How should you use the concrete formwork panels for a high-quality result?

Storage

The panels must be stored in a dry environment, protected against the weather, high humidity and fluctuations in humidity. The panels must be covered with a tarpaulin or plastic covering. The panels must be stored on slats with adequate ventilation.

Applications

The concrete formwork panels are typically used in simple and traditional formwork modules. These are applications with low material costs, limited repetition and minimal loads. For applications in which heavy loads occur, the panels are given additional reinforcement or the distance between support bars is reduced.

Installation

When opening a pack and positioning the panels, it must be ensured that the surface of the panel is and remains undamaged. The panels are integrated into modules, nailed or screwed from outside to inside without having to drill into the surface. A sturdy base structure supports the panels to prevent bending from high concrete pressures. Screw heads or connectors which protrude through the surface must be sealed with silicone or polyester filler.

Rough or sawed edges are sealed after finishing with a moisture-resistant sealing agent, in many cases acrylic paint, to prevent water and the ingress of moisture. This is applied with a brush, roller or spray gun. Corner slats may be used to conceal jagged edges in order to create a more aesthetically appealing concrete surface.

The boards in contact with the ground must be sealed in order to prevent runners in the concrete after formwork removal.

The sheeting is sprayed thoroughly and evenly with formwork removal oil and then wiped with a cloth. In many cases, water-based formwork removal oil is used, lacquered or laminated with an agent developed specifically for use with wooden formwork panels. The guidelines provided by the oil producer must be adhered to with respect to application and drying time.

Disassembly

Provided that the formwork removal oil has been used correctly and saw cuts, fasteners, openings, etc. have been borne in mind, the panels may be reused. Removal of fasteners should not damage the surface of the panel. The panels must be cleaned and dried before they are stacked. Damaged panels may not be reused. Concrete formwork panels are rarely used on job sites, they occur more frequently in prefabricated concrete plants.

UNILIN, division panels

UNILIN, division panels is part of the UNILIN Group. Since we were established in 1960, we have grown to become an international player offering solutions for the construction, furniture and interiors sectors.

UNILIN is synonymous with (r)evolution. Thanks to continuous investments in design, technologies, research and development, our divisions have grown to become top players in their fields.

Through a strong vertical integration, from tree to finished product, with creativity as a driver and innovation as a driving force, we develop solutions tailored to your needs.

UNILIN, Division Panels is actively committed to sustainable forest management. Our solutions for concrete formwork are also available on demand with PEFC and FSC® labelling.



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