

ROBUSTA FILM FACED PLYWOOD

ROBUSTA FILM FACED POPLAR PLYWOOD TECHNICAL SPECIFICATION

Basic panel: Panels are made by using water-resistant phenol-based glue with E-1 formaldehyde emission. The panel gluing complies with the highest class 3 for moisture resistance and passes the 72 hour boiling test. **Upon proper care, the panels are used over 20 times for beton-shuttering.** Density is 480-500 kg/m³.

Film: Standard film is 120 gr/m² in brown colour. Availability of 220gr/m² and other films upon request.

Dimensions, mm: 2700/2500/2440 x 1250/1220

Edges: The edges of the panels are sealed with water-resistant acrylic paint in brown color, which protects the wood from absorbing water.

Ultimate shearing strength 2,0 MN/m² (after one hour in boiling water)

Module of elasticity 5200-4200 N/mm²

Bending resistance 56-48 N/mm²

Surface resistance to wear (Taber rotations) 350-400

Thickness, number of plies and thickness tolerances:

| | | | | | | | | | |
|----------------------|-----|-----|------|------|------|------|------|------|------|
| mm | 6 | 8 | 10 | 12 | 15 | 18 | 21 | 24 | 28 |
| Number of plies | 3 | 4 | 5 | 7 | 7 | 9 | 11 | 13 | 15 |
| Maximum, mm (EN 315) | 6,4 | 8,4 | 10,5 | 12,6 | 15,3 | 18,2 | 21,2 | 24,8 | 28,9 |
| Minimum ,mm (EN 315) | 5,6 | 7,4 | 10,7 | 11,2 | 14,3 | 17,3 | 20,3 | 23,3 | 27,3 |

Tolerance for thickness within one panel, mm: +/- 0,3

Tolerance for straightness (EN 315): 1mm/m

Tolerance for squareness (EN 315): 1mm/m

Moisture content (EN 322): (10% +/- 2%)

ROBUSTA film-faced plywood conforms to the parameters of EN 13986:2002 (Wood-based panels for external use as non-structural components). The plywood is CE certified.