

NOVATOP FORM

DATA SHEET

NOVATOP FORM – three-layer formwork panel

Requirements ETA – 12/0079	EN 13353, EN 13986 
Operation classes	SWP/1, SWP/2, SWP/3 according to EN 13353
Technical classes	SWP/1 NS, SWP/2 NS, SWP/3 NS, SWP/1 S, SWP/2 S, SWP/3 S
Wood	Local spruce
Quality	Repairs on both sides
Gluing	AW100 according to DIN 68705, SWP/3 according to EN 13354
Glue	Melamine adhesive
Formats	Widths (mm): 500, 1,000, 2,000 Lengths (mm): 1,000, 1,500, 2,000, 2,500, 5,000
Surface treatment	Melamine resin, yellow colour
Surface treatment of edges	Water-soluble varnish with high watertightness based on acrylic and alkyd resins, yellow colour
Surface	Sanded – P 100
Humidity	Spruce 8±2 %
Density	Spruce approx. 490 Kg/m ³
Formaldehyde emission class	E1 according to EN 717-1, EN 16516 for values refer to the test reports
Reaction to fire	D-s2, d0 according to EN 13 501-1
Design value of thermal conductivity (λ)	For spruce of 0.13 W/mK, at a density of 490 kg/m ³ according to EN ISO 10456
Factor of diffusion resistance (μ)	200/70 (dry/wet) according to EN ISO 10456
Sound absorption	250 – 500 Hz – 0,1 1000 – 2000 Hz – 0,3
Airborne sound insulation (dB)	$R = 13 \times \log(m_a) + 14$ m_a – surface weight kg/m ²
Specific heat capacity (c_p)	1600 J/kgK according to EN ISO 10456

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Density, strength and flexural modulus of elasticity of multi-layer panels made of solid wood (requirements for SWP/1 S, SWP/2 S and SWP/3 S technical classes) according to EN 13353

Property	Testing method	Panel nominal thickness [mm]		
		12 to 20	>20 to 30	>30 to 80
Density (kg/m ³)	EN 323	410		

Bending strength perpendicular to the panel plane (N/mm²)

parallel to the direction of the fibres	EN 789	30	27	20
perpendicular to the direction of the fibres		5	5	10

Modulus of elasticity perpendicular to the panel plane (N/mm²)

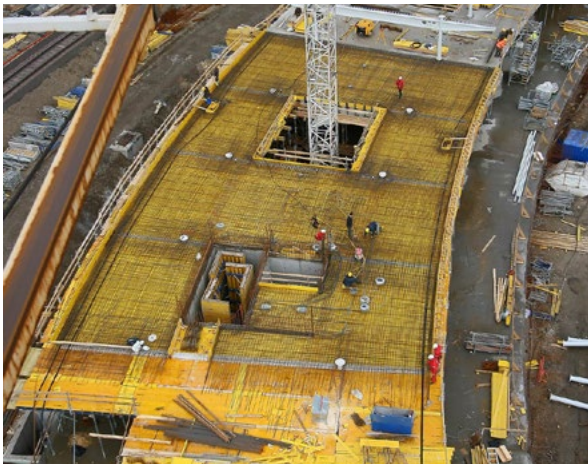
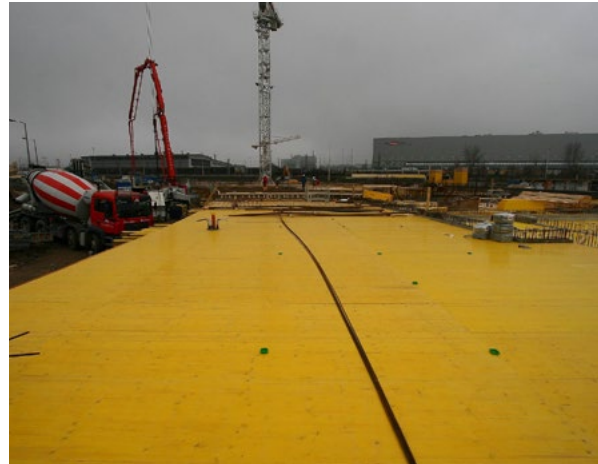
parallel to the direction of the fibres	EN 789	8 500	8 500	6 800
perpendicular to the direction of the fibres		550	700	1 300

Comment: The 5% quantile percentile of the modulus of elasticity provided in the table corresponds to 85% of the average modulus of elasticity. The bending properties are determined according to EN 789; an optional span corresponding to 30 times the nominal thickness and the force acting at the third point of the span can be used. The local modulus of elasticity is determined. By modifying the test setup mentioned above, it is possible to reduce the issue of rolling shear failure during bending tests.

Certificates

SWP/1	1393-CPR-0018
SWP/2	1393-CPR-0019
SWP/3	1393-CPR-0020

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The premium NOVATOP FORM formwork panel combines high durability, stability and easy handling.

NOVATOP FORM formwork panel uses all the advantages of NOVATOP multilayer panels. Thanks to modern production technology, it is dimensionally stable, robust and capable of bearing loads in both directions. It stands out for its resistance to water and harsh weather conditions. Its low weight enables easy handling. It is also suitable for demanding classes of visual concrete. The melamine film guarantees a smooth surface, quick cleaning and a long service life with repeated use.

Why NOVATOP quality

- The basis of all products is formed by a 3-layer NOVATOP panel
- Above-standard formats in lengths of up to 5 x 2.1 m
- Glued and repaired middle layers – enhance rigidity and reliability when used repeatedly.
- High-quality surface layers with side down pressure during pressing – guarantee up to twice the bending strength compared to conventional formwork panels
- Stability in both directions – retains its shape even under high loads
- Resistance to water and harsh weather conditions – no concerns even when used outdoors
- Low weight – quick assembly/disassembly and easier handling on site
- Melamine surface – smooth surface, quick cleaning and repeated use
- Output inspection of each panel is performed personally

Application: For formwork of foundations, walls, columns, ceilings, staircases and more complex architectural elements. Also suitable for demanding classes of visual concrete and repeated formwork assemblies.

