

# NOVATOP FORM DATA SHEET

NOVATOP FORM – three-layer formwork panel	
<b>Requirements ETA – 12/0079</b>	EN 13353, EN 13986 
<b>Operation classes</b>	SWP/1, SWP/2, SWP/3 according to EN 13353
<b>Technical classes</b>	SWP/1 NS, SWP/2 NS, SWP/3 NS, SWP/1 S, SWP/2 S, SWP/3 S
<b>Wood</b>	Local spruce
<b>Quality</b>	Repairs on both sides
<b>Gluing</b>	AW100 according to DIN 68705, SWP/3 according to EN 13354
<b>Glue</b>	Melamine adhesive
<b>Thickness (mm)</b>	21 (6-9-6), 27 (6-15-6)
<b>Formats (mm)</b>	Widths: 500, 1,000 Lengths: 1,000, 1,500, 2,000, 2,500
<b>Surface treatment</b>	Melamine resin, yellow colour
<b>Surface treatment of edges</b>	Water-soluble varnish with high watertightness based on acrylic and alkyd resins, yellow colour
<b>Surface</b>	Sanded – P 100
<b>Humidity</b>	Spruce 8±2 %
<b>Density</b>	Spruce approx. 490 Kg/m <sup>3</sup>
<b>Formaldehyde emission class</b>	E1 according to EN 717-1, EN 16516 for values refer to the test reports
<b>Reaction to fire</b>	D-s2, d0 according to EN 13 501-1
<b>Design value of thermal conductivity (λ)</b>	For spruce of 0.13 W/mK, at a density of 490 kg/m <sup>3</sup> according to EN ISO 10456
<b>Factor of diffusion resistance (μ)</b>	200/70 (dry/wet) according to EN ISO 10456
<b>Sound absorption</b>	250 – 500 Hz – 0,1 1000 – 2000 Hz – 0,3
<b>Airborne sound insulation (dB)</b>	$R = 13 \times \log(m_a) + 14$ $m_a$ – surface weight kg/m <sup>2</sup>
<b>Specific heat capacity (c<sub>p</sub>)</b>	1600 J/kgK according to EN ISO 10456

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## DATA SHEET

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

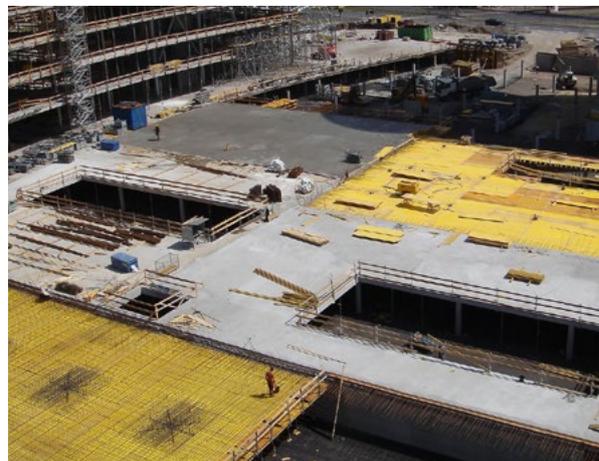
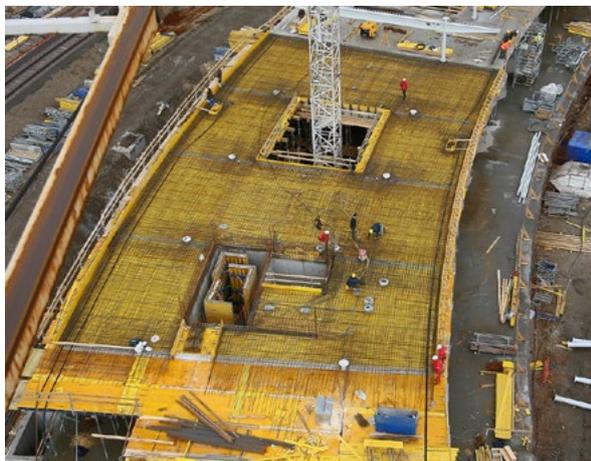
Property	Testing method	Panel nominal thickness [mm]		
		12 až 20	>20 až 30	>30 až 80
Density (kg/m <sup>3</sup> )	EN 323	410		
<b>Bending strength perpendicular to the panel plane (N/mm<sup>2</sup>)</b>				
parallel to the direction of the fibres	EN 789	30	27	20
perpendicular to the direction of the fibres		5	5	10
<b>Modulus of elasticity perpendicular to the panel plane (N/mm<sup>2</sup>)</b>				
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
- 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.

