

Product	Three-ply concrete formwork panel coated with melamine resin that allows a resistant and smooth surface		Extrapanel 27 mm Extrapanel 21 mm
Wood species	Spruce		
Wood moisture	12 % ± 2 %		
Weight	12 kg/m <sup>2</sup> (27mm) – 10 kg/m <sup>2</sup> (21mm)		
Formats (mm)	1000x500 – 1500x500 – 2000x500 – 2500x500 – 3000x500		
Thickness (mm)	21, 27		
Surface protection	Highly resistant melamine coating, extremely smooth surface		
Edge seal	Water repellent edge formwork finish, yellow		
Packaging	21 mm / 50 pcs package, 27 mm / 40 pcs package. The packages are ready to be immediately used at the construction site. The package is placed on supporting wood, protecting the panels and provides simple use with forklift		
Design values	Mechanical properties	21 mm	27 mm
	Minimal value	40 N/mm <sup>2</sup>	40 N/mm <sup>2</sup>
	Modulus of elasticity (mean value)	10000 N/mm <sup>2</sup>	10000 N/mm <sup>2</sup>
Note	The calculated values with a wood moisture of 12%. With heavy moisture penetration up to fiber saturation point, the values for bending strength and flexural modulus of elasticity may be up to 30% lower		

		L							
d = 21 mm		0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75
q	5 kN/m <sup>2</sup>	0.11	0.17	0.26	0.38	0.54	0.75	1.00	1.32
	10 kN/m <sup>2</sup>	0.21	0.34	0.52	0.77	1.08	1.49	2.01	2.65
	15 kN/m <sup>2</sup>	0.32	0.51	0.78	1.15	1.63	2.24	3.01	3.97
	20 kN/m <sup>2</sup>	0.43	0.69	1.05	1.53	2.17	2.99	4.02	5.30
	25 kN/m <sup>2</sup>	0.54	0.86	1.31	1.91	2.71	3.74	5.02	6.62
	30 kN/m <sup>2</sup>	0.64	1.03	1.57	2.30	3.25	4.48	6.03	7.95
	35 kN/m <sup>2</sup>	0.75	1.20	1.83	2.68	3.80	5.23	7.03	9.27
	40 kN/m <sup>2</sup>	0.86	1.37	2.09	3.06	4.34	5.98	8.04	10.59

q= Load (kN/m<sup>2</sup>)

L= Span (m)

d=21 mm

E= 10.000 Nmm<sup>2</sup> of Extrapanel d=21 mm

K=0.646 Deformation factor contingent on number of fields for constant load

q= Load (kN/m<sup>2</sup>)

L= Span (m)

d=27 mm

E= 10.000 Nmm<sup>2</sup> of Extrapanel d=27 mm

K=0.646 Deformation factor contingent on number of fields for constant load

		L							
d = 27 mm		0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75
q	5 kN/m <sup>2</sup>	0.05	0.08	0.12	0.18	0.26	0.35	0.47	0.62
	10 kN/m <sup>2</sup>	0.10	0.16	0.25	0.36	0.51	0.70	0.95	1.25
	15 kN/m <sup>2</sup>	0.15	0.24	0.37	0.54	0.77	1.05	1.42	1.87
	20 kN/m <sup>2</sup>	0.20	0.32	0.49	0.72	1.02	1.41	1.89	2.49
	25 kN/m <sup>2</sup>	0.25	0.40	0.62	0.90	1.28	1.76	2.36	3.12
	30 kN/m <sup>2</sup>	0.30	0.48	0.74	1.08	1.53	2.11	2.84	3.74
	35 kN/m <sup>2</sup>	0.35	0.57	0.86	1.26	1.79	2.46	3.31	4.36
	40 kN/m <sup>2</sup>	0.40	0.65	0.98	1.44	2.04	2.81	3.78	4.98