

## Declaration of Performance

**Intended Use** : Use as structural component in exterior conditions.  
The product complies with CE2+, EN636-3S and EN314-2-3.

**AVCP System** : System 2+

### Declared Performance

Characteristics		Declared Performance							Harmonised Technical Specification
Nominal Thickness		6mm	9mm	12mm	15mm	18mm	21mm	25mm	
No. of Plies		5	7	9	11	13	15	17	
Moisture Content		9%	9 %	9 %	9 %	9 %	9 %	9 %	EN322:1993
Density		730 kg/m <sup>3</sup>	730 kg/m <sup>3</sup>	730 kg/m <sup>3</sup>	730 kg/m <sup>3</sup>	730 kg/m <sup>3</sup>	730 kg/m <sup>3</sup>	730 kg/m <sup>3</sup>	EN323:1993
Modulus of Rupture (MOR)	Parallel	65.0 Nmm <sup>2</sup>	59.5 Nmm <sup>2</sup>	53.5 Nmm <sup>2</sup>	49.2 Nmm <sup>2</sup>	41.9 Nmm <sup>2</sup>	40.6 Nmm <sup>2</sup>	50.1 Nmm <sup>2</sup>	EN310:1993
	Perpendicular	69.3 Nmm <sup>2</sup>	60.3 Nmm <sup>2</sup>	57.6 Nmm <sup>2</sup>	75.5 Nmm <sup>2</sup>	65.3 Nmm <sup>2</sup>	64.5 Nmm <sup>2</sup>	56.3 Nmm <sup>2</sup>	
Modulus of Elasticity (MOE)	Parallel	6170 Nmm <sup>2</sup>	5980 Nmm <sup>2</sup>	6160 Nmm <sup>2</sup>	5650 Nmm <sup>2</sup>	5260 Nmm <sup>2</sup>	5470 Nmm <sup>2</sup>	6100 Nmm <sup>2</sup>	
	Perpendicular	6800 Nmm <sup>2</sup>	6580 Nmm <sup>2</sup>	6500 Nmm <sup>2</sup>	7430 Nmm <sup>2</sup>	6980 Nmm <sup>2</sup>	7060 Nmm <sup>2</sup>	6610 Nmm <sup>2</sup>	
Bending Strength Class		F 40/40 E 60/70	F 35/40 E 60/70	F 35/35 E 60/70	F 30/50 E 50/80	F 25/40 E 50/70	F 25/40 E 60/70	F 30/35 E 60/70	
Bonding Class		3	3	3	3	3	3	3	
Bonding Strength	Wet Shear Strength	1.21 – 2.05 Nmm <sup>2</sup>	1.36 – 2.15 Nmm <sup>2</sup>	1.56 – 2.26 Nmm <sup>2</sup>	1.23 – 2.11 Nmm <sup>2</sup>	1.26 – 2.25 Nmm <sup>2</sup>	1.25 – 1.75 Nmm <sup>2</sup>	1.21 – 2.79 Nmm <sup>2</sup>	EN314:2004
	Wood Failure	70 – 85 %	70 – 85 %	70 – 85 %	70 – 85 %	70 – 85 %	70 – 85 %	70 – 85 %	
Release of Formaldehyde		E1	E1	E1	E1	E1	E1	E1	EN13986:2004
Reaction to Fire		D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	EN13986:2004
Water Vapour Permeability	Wet Cup	90	90	90	90	90	90	90	EN13986:2004
	Dry Cup	220	220	220	220	220	220	220	EN13986:2004
Thermal Conductivity		0.17	0.17	0.17	0.17	0.17	0.17	0.17	EN13986:2004

*The performance of the products identified is in accordance with the declared performance above.*