

- 1) Product name:  
Powerplex Plus (plywood)
- 2) Unique identification code of the product type:  
POWEPF
- 3) Intended use:  
Exterior
- 4) Manufacturer / authorised representative:  
Houtwerf BV, Produktieweg 62-70, 2382 PD Zoeterwoude, The Netherlands
- 5) Certification (system of assessment and verification of constancy of performance):  
CE-2+ / EUTR
- 6) Certificate number:  
0407-CPD-429
- 7) Declared performance

Essential characteristics	Harmonised technical specification		Performance (18 mm)
Tolerance	EN 315		0,6 mm
Bonding quality	EN 314-2, class 3		EN 636-3 exterior
Density	EN 323		+/- 500 kg/m <sup>3</sup>
Moisture content	EN 322		+/- 16%
Bending strength	EN 310	Longitudial grain Cross grain	38,4 N/mm <sup>2</sup> 52,1 N/mm <sup>2</sup>
Modulus of elasticity	EN 310	Longitudial grain Cross grain	5463 N/mm <sup>2</sup> 6678 N/mm <sup>2</sup>
Bond quality	EN 314-1	Shear strength Standard deviation Wood failure ratio	1,20 N/mm <sup>2</sup> 0,275% 15%
Determining the resistance to tension perpendicular to the plane of the board	EN 319		No performance declared
Swelling in thickness	EN 317		No performance declared
Formaldehyde emissie	EN 717-2		0,35 mg/m <sup>2</sup> h
Formaldehyde emission by the chamber method	EN 717-1		Klasse B (70 ug/m <sup>3</sup> )
Reaction to fire	EN 13501-1	Minimum 400 kg/m <sup>3</sup> + minimum 9 mm	D-s2, d0
Water vapour permeability $\mu$	EN 12524		Wet cup - 70 / Dry cup - 200
Airborne sound insulation	EN 13986 5.10.		R = 13 x 1g (m <sub>A</sub> ) + 14
Sound absorption	EN 13986, table 10		0,10 / 0,30
Thermal conductivity $\lambda$	EN 13986, table 10 Mean density 500 kg/m <sup>3</sup>		0,13 W/(m.K)
Determining mechanical properties	EN 789		No performance declared
Determination of duration of load and creep factors	ENV 1156 of ENV1995-1-1		No performance declared
Biological durability	EN 335		Class 2
Content of PCP	CEN/TC 38		< 5 ppm

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued under the sole responsibility of the manufacturer/authorized representative referred to in point 4.

Signed for and on behalf of the manufacturer / authorized representative by:



Name: P.F. Verbeek  
Zoeterwoude