



PlasDeck Product Specifications

December 2010

Product	PlasDeck
Material Specifications	
Core Material Base	Tropical Hardwood, WBP Bonded
Facing, front	1.4mm thk H60 thermoplastic
Facing, back	0.7mm thk H60 thermoplastic
Surface Finishing	Textured
Surface Color	Light Grey
Repairable	Yes
Edge Protection	4 sides 1.1mm thk H85 thermoplastic
Technical Values	
Density, Kg/m ³	600 - 700
Parallel to Grain,	
Bending Modulus, Mpa	6500-8800
Bending Strength, Ultimate, Mpa	45-65
Perpendicular to Grain	
Bending Modulus, Mpa	4500-6500
Bending Strength, Ultimate, Mpa	20-45
Operating Temperature, °C	-20 to +70
Moisture	12%
Working Conditions	
Sawing	
Cutting	
Nailing / Screw	Similar To Wood
UV Resistance	Yes
Impact & Abrasive Resistant	Yes
Chemical Resistant	Resistant to most acids, alkali. Avoid petroleum
Product Dimensions	
Max. Width, mm	1500
Max. Length, mm	3600
Thickness, mm	9 - 30
Dimension Tolerance, mm	LW +/-1.5 Diagonal +/-3
Thickness Tolerance, mm	+/-0.4

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PlasDeck Technical Data
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****Notes**

Data are based on manufacturer's testing and will be subjected to changes from time.
Use of board should not exceed its permissible bending strength. Will cause permanent deformation in flatness.

Board Type	PlasDeck				
Model	PD-9	PD-12	PD-15	PD-18	PD-21
Basic Properties					
Thickenss (mm)	9	12	15	18	21
Thickness Tolerance (mm)	+/- 0.40				
Density (Kg/m ³)	690.00	705.00	695.00	670.00	660.00
Weight (Kg/m ²)	6.21	8.46	10.43	12.06	13.86
Mechanical Properties [ASTMD790]					
Parallel to Grain					
Bending Modulus, 3 point (N/mm ²) 25°C	6500-8000			8800	8200
Permissible Bending Strength (N/mm ²)	28-45			43	41
Ultimate Bending Strength (N/mm ²)	45-55			66	65
Perpendicular to Grain					
Bending Modulus, 3 point (N/mm ²) 25°C	4500-6500			5800	5200
Permissible Bending Strength (N/mm ²)	20-35			34	32
Ultimate Bending Strength (N/mm ²)	35-45			53	51
Usage Temperature (°C)	-20 +70				

Handling Conditions	
Nail Holding	Similar to Wood
Sawing	
Drilling	
UV Resistance	Yes
Recycable	Yes

Note : Other technical values can be custom designed on request.

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