

# Millboard Plas-pro

100 x 100 x 3000mm - Plas-pro post - P1010B300

125 x 50 x 3000mm - Plas-pro joist - P1205B300

50 x 50 x 2400mm - Plas-pro batten - P0505B240

60 x 30 x 2800mm - Plaspro batten - P0603H280

## Weights and Measures

Post Dimensions (H x D x W)	100 x 3000 x 100mm
Weight Per Length	27.9kg
Joist Dimensions (W x D x H)	125 x 3000 x 50mm
Weight Per Length	20.9kg
Batten Dimensions (W x D x H)	50x 2400 x 50mm
Weight Per Length	5.6kg
Batten Dimensions (W x D x H)	30 x 2800 x 60mm
Weight Per Length	4.7kg

The information in this document was correct at the time of going to print, due to our culture of continuous improvement we reserve the right to change the information at any time without prior notice should further tests reveal different results.

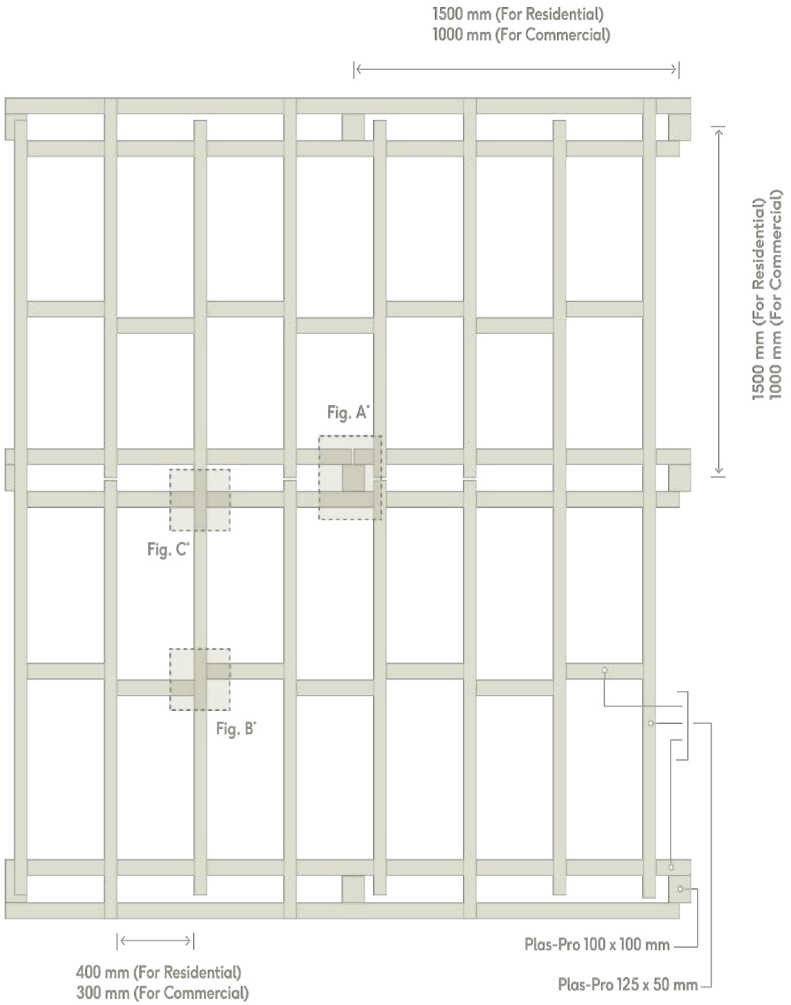
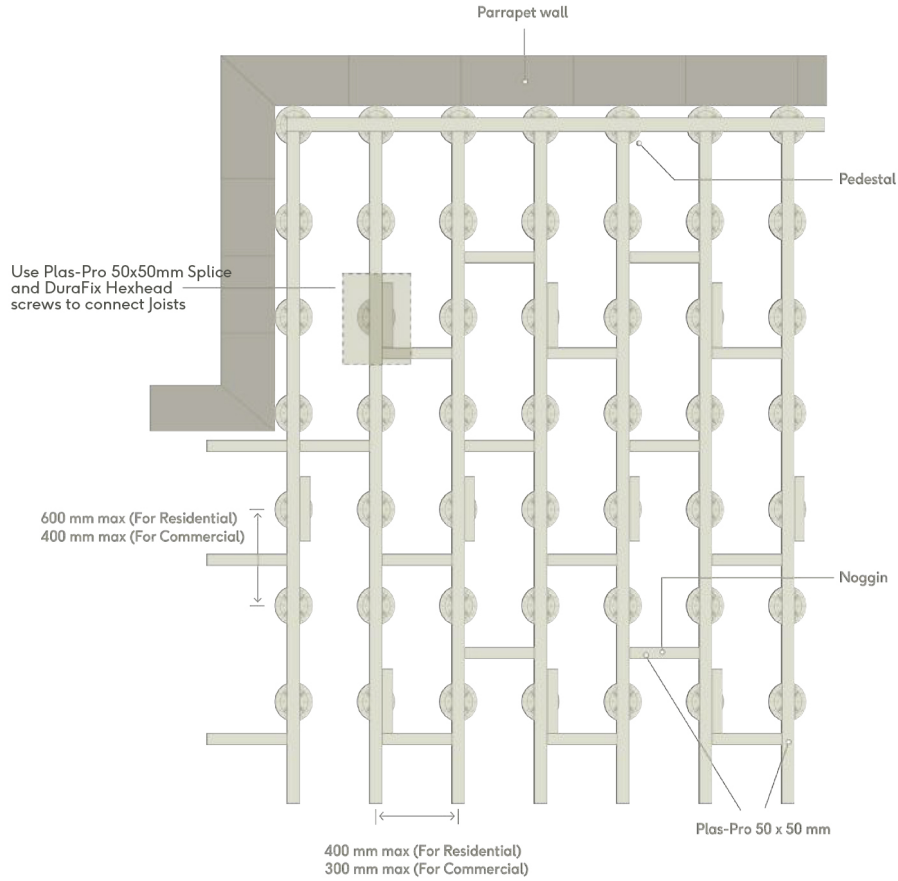


## Millboard Product Specification Guide Plas-pro

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# Outdoor Flooring System



# Technical Data

Technical Data For Plas-Pro®				Plas-Pro Size	
Test	DIN EN ISO Standard	Result		50x50mm & 100x100mm	
3 Point Bend	178	Flexural Stress	-5oC	MPa	21.2
		Bending E-Modulus	-5oC		1.289
		Flexural Stress	+23oC		11.6
		Bending E-Modulus	+23oC		561
		Flexural Stress	+65oC		4.6
		Bending E-Modulus	+65oC		162
Tensile	527-2	Strength		MPa	9.65
		Elongation		%	13.8
		Tensile E-modulus		MPa	659
Timed Tensile	899-1	Tensile E-modulus	1 hour	MPa	316
			24 hours		-
			100 hours		202
Timed 3 Point Bend	899-2	Bending E-Modulus	1 hour	MPa	380
			24 hours		271
			100 hours		235
Pressure Characteristics	604	Compression Strength	1% Stretch	MPa	1.8
			2% Stretch		3.3
			10% Stretch		13.3
			20% Stretch		18.2
			At yield		-
		Pressure E-Modulus	271		
Charpy Test	179	Impact Resistance		kJ/m2	412
Impact Shore Hardness	868	Shore Hardness		-	53
Density Test	1183-1	Density		g/cm3	1.0062
Water Absorbtion	62	+23oC, 50% R.I		%	<1
		+23oC in water			<1
		+100oC in water			<1
Resistance	600934	Surface Resistance		Ω	3.2 x 1013
		Specific Surface Resistance			3.2 x 1014
		Flow/Contact Resistance			9.0 x 1013
		Specific Flow/Contact Resistance			4.5 x 1014
Ball Striking Test	2039-1	Ball Striking Hardness		N/mm2	16.44
Thermal Expansion	-	Coefficient of Thermal Expansion		1/oC	0.00018993
Screw Pull Out Force	-	Drilled Material		N	7.500
		Non Pre-Drilled Material		N	7.500

Technical Data For Plas-Pro®				Plas-Pro Size	
Test	DIN EN ISO Standard	Result		125x50mm	
3 Point Bend	178	Flexural Stress	-5oC	MPa	35.1
		Bending E-Modulus	-5oC		2.261
		Flexural Stress	+23oC		24
		Bending E-Modulus	+23oC		1,424
		Flexural Stress	+65oC		16.5
		Bending E-Modulus	+65oC		856
Tensile	527-2	Strength		MPa	15.6
		Elongation		%	1.7
		Tensile E-modulus		MPa	1,490
Timed Tensile	899-1	Tensile E-modulus	1 hour	MPa	1,043
			24 hours		975
			100 hours		852
Timed 3 Point Bend	899-2	Bending E-Modulus	1 hour	MPa	1,159
			24 hours		943
			100 hours		816
Pressure Characteristics	604	Compression Strength	1% Stretch	MPa	2.5
			2% Stretch		5.3
			10% Stretch		27.9
			20% Stretch		-
			At yield		29.0
		Pressure E-Modulus	815		
Charpy Test	179	Impact Resistance		kJ/m2	12
Impact Shore Hardness	868	Shore Hardness		-	62
Density Test	1183-1	Density		g/cm3	1.0529
Water Absorbtion	62	+23oC, 50% R.I		%	<1
		+23oC in water			<1
		+100oC in water			<1
Resistance	600934	Surface Resistance		Ω	1.5 x 1014
		Specific Surface Resistance			1.5 x 1015
		Flow/Contact Resistance			>2.0 x 1014
		Specific Flow/Contact Resistance			>8.4 x 1014
Ball Striking Test	2039-1	Ball Striking Hardness		N/mm2	39.52
Thermal Expansion	-	Coefficient of Thermal Expansion		1/oC	0.0001510648
Screw Pull Out Force	-	Drilled Material		N	8.230
		Non Pre-Drilled Material		N	8.140