



# Elements

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## TECHNICAL SPECIFICATION

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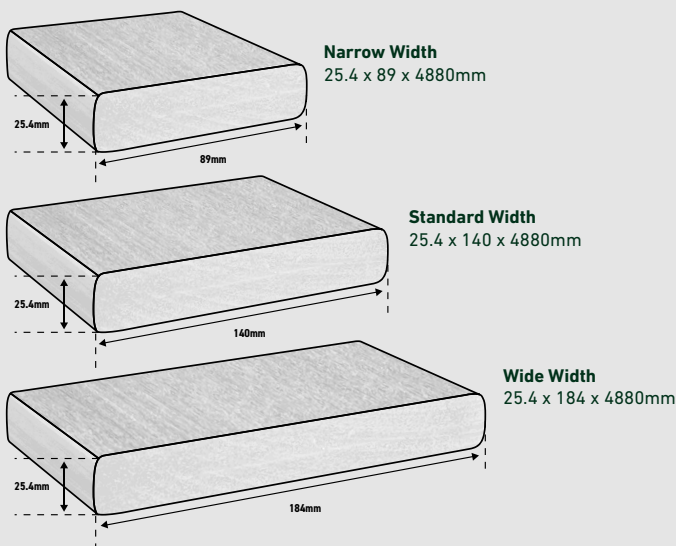
# TECHNICAL SPECIFICATION

Test		Test Method	Results	
Reaction to Fire		EN 13501-1:2018	EN ISO 9239-1:2010 EN ISO 11925-2:2010	Fire Behaviour: B fl Smoke Production: s1
Flame Spread Index		ASTM E84	25 - Class A FSI	
		CAN/ULC S102.2	15	
Smoke Development		ASTM E84	1500	
		CAN/ULC S102.2	270	
Flash Ignition		ASTM D1929	380°C	
Self Ignition		ASTM D1929	450°C	
Rate of Burn		ASTM D635	No Sustained Combustion	
Coefficient of Thermal Expansion	Length	ASTM D696	2.32 X 10 <sup>-5</sup> in/in/°f	4.18 X 10 <sup>-5</sup> mm/mm/°c
	Width		2.32 X 10 <sup>-5</sup> in/in/°f	4.66 X 10 <sup>-5</sup> mm/mm/°C
.9375" x 5.4" PVC Decking	Stiffness <sup>1</sup> MOE	ASTM D 6109	156500 psi	1079 MPA
	Strength <sup>1</sup> MOR		2948 psi	20.3 MPA
Compression Parallel to Extrusion Direction <sup>1</sup>		ASTM D 143	1973 psi	13.6 MPA
Compression Perpendicular to Extrusion Direction <sup>1</sup>		ASTM D 143	1238 psi	8.5 MPA
Shear <sup>1</sup>		ASTM D 143	922 psi	6.4 MPA
Shore D Hardness		ASTM D 2240	D85	D85
Specific Gravity		ASTM D 792	0.657 gm/cc <sup>3</sup>	
Fungus Resistance		ASTM D 1413	Rating = No Decay	
Slip Resistance		ASTM F1679	Dry	0.89
			Wet	0.74
Water Absorption		ASTM D1037	<1.29%	<1.29%

\*1. Mean values for comparison only. Not intended for structural design.



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