

DECLARATION OF PERFORMANCE

The products: **LP Smart Side Panel 9.5 mm and 11.1 mm** are manufactured following rigorous quality procedures, as defined in the internal Quality Management System

Thereby, the product shall meet or exceed the following performance requirements:

GENERAL PROPERTIES

Property	Unit	SP 9.5 mm	SP 11.1 mm	SP 15.1 mm	Procedure
Density	Kg/m ³	680	680	680	ASTM D2395
Fungal decay	Rating	2 – Durable	2 – Durable	2 – Durable	NCH 789-1
Termite attack resistance	Rating	2 – Light attack	2 – Light attack	2 – Light attack	NCH 3060
Flame spread	Rating	Class C	Class C	Class C	ASTM E84
SDI	Adim.	95	100	110	ASTM E84
Formaldehyde emission	mg/m ³	0.124	0.124	0.124	ASTM E1333
Vapor resistance	MNs/g	15.92	15.92	15.92	NCH 2457
Water permeability	mL/min	0 (Impermeable)	0 (Impermeable)	0 (Impermeable)	RILEM 11.4
Thermal conductivity	W/m ² K	0.12	0.12	0.12	NCH 850

FEATURES

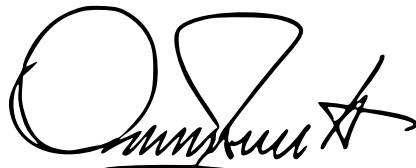
Feature/Property	Unit	SP 9.5 mm	SP 11.1 mm	Procedure
Applications		Exterior Walls	Exterior Walls	
Exposure class		Exterior/Siding	Exterior/Siding	PS2
Structural Grade		Non-structural	Structural	PS2 / EN 300
Grooved		Along @ 4" and 8"	Along @ 4 and 8"	
Overlap		Along	Along	
Embossment		Cedar	Cedar	
Stud Span		16 o.c.	16 o.c.	
Finish		PBO *	PBO*	
Limited Warranty		10 YEARS	10 YEARS	Fungal decay and termites attack

* Smart Side Panel must be painted within 5 month after installation



MECHANICAL PROPERTIES

Property	Unit	SP 9.5 mm	SP 11.1 mm	Procedure
Parallel Bending Stiffness	lbf-in ² /ft	32261	33500	ASTM D3043
Perpendicular Bending Stiffness	lbf-in ² /ft	18500	24100	ASTM D3043
Parallel Bending Strength	lbf-in/ft	1468	1615	ASTM D3043
Perpendicular Bending Strength	lbf-in/ft	1006	1230	ASTM D3043
Parallel Linear Expansion	%	0.42	0.41	PS2
Perpendicular Linear Expansion	%	0.63	0.62	PS2
Internal Bonding	PSI	90	90	ASTM D1037



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(Name and Title)

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(Place and date of issue)

(Signature)