

# XLM Material Properties<sup>1</sup>

XLM TimberTech Material Properties <sup>1</sup>			
PROPERTY	ASTM	RESULTS	RESULTS (Metric)
Flame Spread	E84	30	30
	CA SFM 12-7-4	Pass <sup>2</sup>	
Coefficient of Thermal Expansion	ASTM D 696		
width		$2.8 \times 10^{-5}$ in/in/°F	$5.04 \times 10^{-5}$ mm/mm/°C
length		$2.7 \times 10^{-5}$ in/in/°F	$4.86 \times 10^{-5}$ mm/mm/°C
Flexural Stiffness (at 3% strain)	D 6109	105,000 lb-in <sup>2</sup>	301332 kN-mm <sup>2</sup>
Moment Capacity (at 3% strain)	D 6109	3783 in-lb	427422 N-mm
Wind Uplift Resistance CONCEALoc	E 330	173 psf	1.36 Mpa
Shore Hardness	D2240	D60	D60
Coefficient of Friction	F 1679	0.86 dry	
		0.83 wet	
Specific Gravity gm/cc (brown and white rot fungi)	D792	≈0.71 g/cm <sup>3</sup>	
Water Absorption %mass	D1037	Not Applicable	
		<.8%	<.8%

1) Values for Strength and Stiffness are the mean ultimate values at 3% strain for comparison only.

2) See Web site for updates.