

# XLM Material Properties

<b>XLM TimberTech Material Properties <sup>1</sup></b>			
<b>PROPERTY</b>	<b>ASTM</b>	<b>RESULTS</b>	<b>RESULTS (Metric)</b>
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	8.28 kPa
Shore Hardness	D2240	D60	D60
Coefficient of Friction	F 1679	0.79	
		0.74 wet	
Specific Gravity gm/cc (brown and white rot fungi)	D792	≈0.71 g/cm <sup>3</sup>	
Water Absorption	D1037	Not Applicable	
%mass		<.8%	<.8%

<sup>1</sup> Values for Strength and Stiffness are the mean ultimate values at 3% strain for comparison only.

<sup>2</sup> See web site for updates.