

# Technical Data Sheet

Manufactured in Australia by Foamex, Styroboard XPS offers a range of products available in various sizes and specifications depending on your project requirements.

**Styroboard**<sup>®</sup>  
XPS

NOMINAL THERMAL RESISTANCE	R-VALUE R(50/90)	K-VALUE $\lambda$ (50/90)	TEST METHOD
Thickness 25mm	0.81R	0.031 $\lambda$	AS-4589.1-2018 / ASTM C518-2017
Thickness 30mm	0.97R	0.031 $\lambda$	AS-4589.1-2018 / ASTM C518-2017
Thickness 40mm	1.29R	0.031 $\lambda$	AS-4589.1-2018 / ASTM C518-2017
Thickness 50mm	1.52R	0.033 $\lambda$	AS-4589.1-2018 / ASTM C518-2017
Thickness 60mm	1.82R	0.033 $\lambda$	AS-4589.1-2018 / ASTM C518-2017
Thickness 75mm	2.27R	0.033 $\lambda$	AS-4589.1-2018 / ASTM C518-2017

COMPRESSIVE STRESS Measured parallel to rise (min.)	2%	10%	YIELD	TEST METHOD
Thickness 25mm	on request	>250kPa	n/a	AS-2498.3 // ASTM D1621
Thickness 30mm	on request	>250kPa	n/a	AS-2498.3 // ASTM D1621
Thickness 40mm	on request	>300kPa	n/a	AS-2498.3 // ASTM D1621
Thickness 50mm	>230kPa	>350kPa	>300kPa	AS-2498.3 // ASTM D1621
Thickness 60mm	>240kPa	>350kPa	>400kPa	AS-2498.3 // ASTM D1621
Thickness 75mm	>210kPa	>350kPa	>400kPa	AS-2498.3 // ASTM D1621

FLAME PROPOGATION CHARACTERISTICS	RESULTS	TEST METHOD
Median flame duration max.	1.5s	AS-2122.1
Eighth value max.	2.5s	AS-2122.1
Median volume retained	70%	AS-2122.1
Eighth value min.	60%	AS-2122.1

PROPERTIES OTHER	RESULTS	TEST METHOD
Rate of vapour transmission, max. measured parallel to rise at 23°C, DCSO	125 $\mu\text{g}/\text{m}^2\text{s}$	AS-2498.5
Max. dimensional stability of length, width and thickness, 7 days at 70°C, DCSO	1%	AS-2488.6
Min. thermal resistance (50mm sample), at a mean temperature of 25°C	1.79m $2\text{K}/\text{W}$	AS-2464.5 / EN13164 / ASTM C518
Water absorption max.	1.7% vol/vol	AS-2498.8

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