

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[®]
XPS

NOMINAL THERMAL RESISTANCE	R-VALUE R(50/90)	K-VALUE λ (50/90)	TEST METHOD
Thickness 25mm	0.81R	0.031 λ	AS-4589.1-2018 / ASTM C518-2017
Thickness 30mm	0.97R	0.031 λ	AS-4589.1-2018 / ASTM C518-2017
Thickness 40mm	1.29R	0.031 λ	AS-4589.1-2018 / ASTM C518-2017
Thickness 50mm	1.52R	0.033 λ	AS-4589.1-2018 / ASTM C518-2017
Thickness 60mm	1.82R	0.033 λ	AS-4589.1-2018 / ASTM C518-2017
Thickness 75mm	2.27R	0.033 λ	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 \square , DCSO	125 μ g/m ² s	AS-2498.5
Max. dimensional stability of length, width and thickness, 7 days at 70 \square C, DCSO	1%	AS-2488.6
Min. thermal resistance (50mm sample), at a mean temperature of 25 \square	1.79m2K/W	AS-2464.5 / EN13164 / ASTM C518
Water absorption max.	1.7% vol/vol	AS-2498.8

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, this data does not relieve the purchaser of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.