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. Now contains up to 90% recycled Expanded Polystyrene (EPS).

Styroboard® XPS

NOMINAL THERMAL RESISTANCE	R-VALUE R(50/90)	K-VALUE λ(50/90)	TEST METHOD
Thickness 25mm	0.81R	0.031λ	AS-4589.1-2018 / ASTMC518-2017
Thickness 30mm	0.94R	0.031λ	AS-4589.1-2018 / ASTMC518-2017
Thickness 40mm	1.29R	0.031λ	AS-4589.1-2018 / ASTMC518-2017
Thickness 50mm	1.55R	0.033λ	AS-4589.1-2018 / ASTMC518-2017
Thickness 60mm	1.82R	0.033λ	AS-4589.1-2018 / ASTMC518-2017
Thickness 75mm	2.15R	0.034λ	AS-4589.1-2018 / ASTMC518-2017

COMPRESSIVE STRESS Measured parallel to rise (min.)	2%	10%	YIELD	TEST METHOD
Thickness 25mm	>60kPa	>250kPa	n/a	AS-2498.3 / / ASTM D1621
Thickness 30mm	>90kPa	>250kPa	n/a	AS-2498.3 / / ASTM D1621
Thickness 40mm	>150kPa	>350kPa	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	>280kPa	>350kPa	>400kPa	AS-2498.3 / / ASTM D1621

FLAME PROPOGATION CHARACTERISTICS	RESULTS	TEST METHOD
Ignitability Index	0 Range 0 - 20	AS-1530.3-1999
Spread of Flame	0 Range 0 - 10	AS-1530.3-1999
Heat Evolved Index	0 Range 0 - 10	AS-1530.3-1999
Smoke Developed index	3 Range 0 - 10	AS-1530.3-1999
Median Flame Duration Max	1.5 seconds	AS-2122.1
Eighth value max.	2.5 seconds	AS-2122.1
Median Volume Retained	≥ 70%	AS-2122.1 Method A
Eighth Value in Volume Min	≥ 60%	AS-2122.1 Method A

PROPERTIES OTHER	RESULTS	TEST METHOD
Rate of vapour transmission, max. measured parallel to rise at 23°C DCSO	100 - 200 μg/m²s	AS-2498.5
Max. dimensional stability of length, width and thickness, 7 days at 70°C, DCSO	1%	AS-2488.6
Water absorption max.	<0.5% vol/vol	AS-2498.8

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