



Styroboard® XPS

Styroboard® XPS is a highly versatile construction material boasting excellent compressive strength and superior thermal performance.

PHYSICAL PROPERTIES

Styroboard® XPS	
Panel Surface	Skin - smooth surface
Edge Profile	Square Edge
Length and Width	2400 x 600
Nominal Density (kg/m ³)	32-36

Nominal Thermal	R-Value(R50/90)	K-Value(λ50/90)		
Thickness 25mm	0.75R	0.033λ		AS-4859.1-2018/ ASTM C518-2017
Thickness 30mm	0.94R	0.031λ		AS-4859.1-2018/ ASTM C518-2017
Thickness 40mm	1.29R	0.031λ		AS-4859.1-2018/ ASTM C518-2017
Thickness 50mm	1.55R	0.033λ		AS-4859.1-2018/ ASTM C518-2017
Thickness 60mm	1.94R	0.031λ		AS-4859.1-2018/ ASTM C518-2017
Thickness 75mm	2.15R	0.034λ		AS-4859.1-2018/ ASTM C518-2017

Compressive Stress @ 10% deformation & Comp. creep @2% over 50years	2%	10%	Yield	Relevant Test Method
Thickness 25mm	on request	≥250kPa	≥250kPa	AS-2498.3 / ASTM D1621
Thickness 30mm	on request	≥250kPa	≥250kPa	AS-2498.3 / ASTM D1621
Thickness 40mm	on request	≥300kPa	≥300kPa	AS-2498.3 / ASTM D1621
Thickness 50mm	≥200kPa	≥350kPa	≥350kPa	AS-2498.3 / ASTM D1621
Thickness 60mm	≥240kPa	≥350kPa	≥350kPa	AS-2498.3 / ASTM D1622
Thickness 75mm	≥300kPa	≥350kPa	≥350kPa	AS-2498.3 / ASTM D1621

Additional Technical Data as per AS1366-4				Relevant Test Method
Rate of Vapour Transmission, max. measured parallel to rise at 23° C, dry conditions	125 µg/m ² s			AS-2498.5
Max. dimensional stability of length, width and thickness; 7 days at 70° C, dry conditions	<1%			AS-2488.6
Flame propagation characteristics				
- 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
Min. thermal resistance, (50mm sample): at a mean temperature of 25° C	1.79 m ² K/W			AS-2464.5 / ASTM C518
Water absorption, max	1.7% vol/vol			AS-2498.8

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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.

For further information please contact your local Foamex sales representative. Or visit www.styroboard.com



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