



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

**PHYSICAL PROPERTIES**

Styroboard® XPS	Styroboard 350
Panel Surface	Skin
Edge Profile	Square Edge
Length and Width	2400 x 600
Nominal Density (kg/m³)	32-36

Nominal Thermal Resistance	R-Value	K-Value	Relevant Test Method
Thickness 20mm	0.71R	0.028	AS-2464.5 / ASTM C518
Thickness 25mm	0.89R	0.028	AS-2464.5 / ASTM C518
Thickness 30mm	1.07R	0.028	AS-2464.5 / ASTM C518
Thickness 40mm	1.43R	0.028	AS-2464.5 / ASTM C518
Thickness 50mm	1.79R	0.028	AS-2464.5 / ASTM C518
Thickness 75mm	2.68R	0.028	AS-2464.5 / ASTM C518

Properties	2%	10%	Yield	Relevant Test Method
				AS-2498.3 / ASTM D1621
Thickness 20mm	on request	≥220	≥220	
Thickness 25mm	on request	≥250	≥250	
Thickness 30mm	on request	≥250	≥250	
Thickness 40mm	on request	≥300	≥300	
Thickness 50mm	≥200	≥350	≥350	
Thickness 75mm	≥300	≥350	≥350	
Rate of Vapour Transmission, max. measured parallel to rise at 23° C, dry conditions	125 µg/m²s			AS-2498.5
Max. dimensional stability of length, width and thickness; 7 days at 70° C, dry conditions	<1%			AS-2488.6
<b>Flame propagation characteristics</b>				
- 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 m²K/W			AS-2464.5 / 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.

**For further information please contact your local Foamex sales representative.**

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