

Slabmate Pro X32 Grade Expanded Polystyrene, is a cellular plastic material that is strong, but has very low density. It is made in sheet form and is produced in Australia to meet Australian Standards, AS1366, Part 3.

## Quality Assurance

Slabmate Pro exceeds the requirements of AS1366, Rigid cellular plastic sheets for thermal insulation Part3: Rigid Cellular Polystyrene-Moulded.

## Size and Shape

Slabmate Pro is produced in sheet form:  
Standard sizes:

- 1200mm width
- 2400mm length
- 40mm up to 100mm thickness

## Additional Information

Does your project need the additional compressive strength or R Values provided by Slabmate Pro? If not, we do offer a more cost-effective product in Slabmate.

## R Values

PRODUCT	R VALUE
SMP-040 - Slabmate Pro 40MM	R1.2
SMP-050 - Slabmate Pro 50MM	R1.5
SMP-060 - Slabmate Pro 60MM	R1.8
SMP-070 - Slabmate Pro 70MM	R2.1
SMP-080 - Slabmate Pro 80MM	R2.4
SMP-100 - Slabmate Pro 100MM	R3.0

## Testing Compliance

Physical Property	Test Method	Requirement	Performance
Nominal Density	ISO 845	32 kg/m <sup>3</sup>	N/A
Compressive Strength at 1% deformation	AS 2498.3: 1993	185 kPa (min)	Pass
Cross Break Strength	AS 2498.4: 1993	360 kPa (min)	Pass
K Value (thermal conductivity) 50mm sample at 23°C	AS 4859.1: 2018	0.033 K/W (min)	N/A
R Value (thermal conductivity) 50mm sample at 23°C	AS 4859.1: 2018	1.5 m <sup>2</sup> K/W (min)	N/A
Flame Propagation Median flame duration	AS 2122.1: 1993	2 SD (max)	Pass
Eighth value	AS 2122.1: 1993	2 SD (max)	Pass
Median volume retained	AS 2122.1: 1993	50% (min)	Pass
Eighth value	AS 2122.1: 1993	47% (min)	Pass
Dimensional Stability - Length, width, thickness	AS 2498.6: 1993	1% (max)	Pass
Water Vapour Transmission, measured parallel to rise at 23°C	AS 2498.5: 1993	400 ug/m <sup>2</sup> s (max)	Pass
Elastic Modulus, min	ASTM D6817	7550 kPa	Pass