



**R1.8**  
ONLY AVAILABLE  
IN VIC & SA

Dimensions (mm)	Thickness	Length	Width	p/bag	m <sup>2</sup> coverage
EXPOL R 1.4 Underfloor Insulation	60	1200	410	11	5.41
	60	1200	470	10	5.64
	60	1200	560	9	6.05
EXPOL R 1.8 Black Underfloor Insulation	60	1200	410	11	5.41
	60	1200	470	10	5.64
	60	1200	560	9	6.05

Please note: Nominal length between 1200mm to 1240mm. This does not impact installation in any way. The widths do not vary and will fit snugly between joists. Expol Black R1.8 sizes 470mm & 560mm are custom order only - minimum orders required. Email [sales@foamex.com.au](mailto:sales@foamex.com.au) for qty's & pricing.

Property	Unit	EXPOL R1.4 UnderFloor Insulation	EXPOL R1.8 UnderFloor Insulation	Test Reference
<b>Material</b>		<b>Expanded Polystyrene (EPS)</b>	<b>Expanded Polystyrene with Graphite</b>	
Nominal Density	kg/m <sup>3</sup>	13.5	19	
Thickness / Nominal Product R-Value	m <sup>2</sup> K/W 60mm 120mm (Double Layer)	R 1.40 R 2.80	R 1.80 R 3.60	ASTM C518-04 AS 4859.1
Nominal Compressive Strength at 10% deformation (min)	kPa	70	105	AS 2498.3
Nominal Cross breaking strength	kPa	135	200	AS 2498.4
Determination of flame propagation surface ignition				
Medium flame duration (max)	sec	2	2	AS2122.1-1993
Eighth value	sec	3	3	
Fire behaviour - Spread of Flame Index	(0-10)	0	0	AS/NZS 1530.3:1999
- Smoke Developed Index	(0-10)	5	5	
Dimensional stability of length, width & thickness (max) at 70 deg C for 7 days	%	1	1	AS2498.6
Recycled content (where possible)	%	25	25	
Rate of water vapour transmission (max) measured parallel to rise at 23°C	µg/m <sup>2</sup> .s	630	520	AS 2498.5

## COMPLIANCE AND SUSTAINABILITY

EXPOL Underfloor Insulation complies with the Australian Standard AS/NZS 4859.1:2002. Panels are fully recyclable when returned to a StyroCycle drop off site. Please visit StyroCycle for drop off locations.

**STYROCYCLE**  
POLYSTYRENE RECYCLING



Another engineered solution from

**FOAMEX**<sup>®</sup>