

# Polystyrene & Waffle Pods TECHNICAL SPECIFICATIONS

Polystyrene is a closed cell light weight rigid cellular plastics material.

Polystyrene is an extremely versatile product and is a very practical, economic and efficient insulation material which can be applied to all areas of building construction, including stressed skin insulated sandwich panels, packaging, ceilings, roofs, walls, floors and under slab – to provide superior standards of thermal insulation.

**Bildavoid** Concrete Void Forming Systems supply Polystyrene cut to your requirements, with class ratings of SL, S, M, H and VH.



## Maximum block size:

5000mm X 1200mm X 600mm.

## Waffle Pods in panel sizes of:

1090mm X 1090mm in depths of 150mm, 225mm and

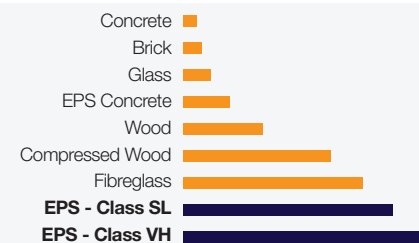
300mm, with 110mm spacers brackets available

(other depths may be available depending on location).

## PHYSICAL PROPERTIES OF POLYSTYRENE (According to the ASI 366, Part 3-1992)

Physical property	Unit	Class SL	Class S	Class M	Class H	Class VH	Test Method
Compressive strength at 10% deformation (min)	kPa	70	85	105	135	165	AS 2498.3
Cross Breaking Strength (min)	kPa	135	165	200	260	320	AS 2498.4
Rate of water vapour transmission (max) measured parallel to rise at 23°C	Mg/mss	630	580	520	460	400	AS 2498.5
Dimensional Stability of length, width, thickness (max) at 70°C, dry condition 7 days	0/	1	1	1	1	1	AS 2498.6
Thermal resistance (min) at a mean temperature of 45°C (50mm sample)	Ms.K/W	1.13	1.17	1.20	1.25	1.28	AS 2464.5 or AS 2464.6
Flame propagation characteristics:							
· medium flame duration (max)	S	2	2	2	2	2	AS 2122.1
· eight value (max)	S	3	3	3	3	3	
· median volume retained	%	18	22	30	40	50	
· eighth value (min)	%	15	19	27	37	47	

## R Values, various insulating materials 50mm thick



## Nominal Density (kg/m3)

SL	S	M	H	VH
13.5	16	19	24	28



To view our Void Forming Systems and for further information on specifications, installations and test results, please visit [www.BildaVOID.com.au](http://www.BildaVOID.com.au) or contact us on **1300 369 253**