



## DATA SHEET

# THERMO SHIELD

## Closed Cell Polyethylene Foam

Thermoshield is a closed cell polyethylene foam with re-enforced aluminium foil facing.

- User friendly - does not emit dust or fibre particles.
- Chemically resistant to water, sea water, brine, soap, detergents, diluted acids, alcohol, ketenes and esters
- Resistant to fungi
- Can be applied in roll form, sheets or slit to required width – in a range of thicknesses
- Reduces drumming & provides vibration dampening
- Is odourless & will not irritate the skin
- Light weight, easily transportable & flexible for ease of application
- Completely closed cell & does not hold water

## Typical Physical Properties

Colour:	Black		
Thickness (mm):	5.0 / 10 / 15 / 20 / 30		
Density:	25 kg/m <sup>3</sup>		
Tensile Strength:	LW 210kPa CW 160kPa	ISO1926	
Tensile Elongation:	LW 30% CW 135%	ISO1926	
Flame Rating:	FMVSS 302 and UL94		
Working Temperature Range:	-70oC to +100oC		
Thermal Conductivity:	0.02 W/m K @ 20oC, 50-70%HH		

### FOIL SPECIFICATIONS:

Material:	Aluminium foil reinforced with 12um LDPE film
Thickness:	7um foil plus 12um film = 19um total
Moisture Permeability:	Less than 1.0gm <sup>2</sup> , 24 hours

### APPLICATION GUIDE

Surfaces should be clean before applying. Avoid touching adhesive surface before application.

### TYPICAL APPLICATIONS

Duct lining, under slab insulation, transport, refrigeration, mechanical wrapping around ducts.



**Disclaimer.** All figures shown above represent typical test results in laboratory conditions, and are given without guarantee since the conditions of use are beyond the control of our company. It is the customer's responsibility to satisfy themselves that the product is fit for the purpose for which they intend to use it and that the actual conditions of use are suitable.

**Limited Warranty.** For a period of six months from the date of first sale, FOAM Sealant Pty Ltd warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving to be defective, or at our option, to refund the purchase price thereof. The user assumes all other risk if any, including the risk of injury, loss or damage, direct or consequential arising out the use, misuse or inability to use this product. This warranty is in lieu of the warranties of merchantability, fitness for particular purpose and all other warranties expressed or implied. No deviation is authorised.

### FOAM Sealant Pty Ltd

SYDNEY | MELBOURNE | BRISBANE | PERTH  
E sales@foamsealant.com.au  
P 1300 000 205 W foamsealant.com.au  
ACN 068 983 755 ABN 83 197 550 989