

# Product Data Sheet

## **HYTHERM EPS ADH (300)** Insulation

**Axter Hytherm EPS ADH (300) is a tapered expanded polystyrene (EPS) insulation board used to create required falls under compatible bituminous or single ply membranes in warm roof applications.**

### **Key benefits**

- CFC, HFC and HCFC-free
- Robust
- High compressive strength
- Dimensional stability provides excellent substrate to create falls
- Manufactured to requirements of ISO 14001
- BRE Green Guide A+ generic rating for EPS
- ODP zero; GWP below 5
- Easy handling and installation

## HYTHERM EPS ADH (300) -Technical Characteristics

Properties	Class	Declared
<b>General Requirements to BS EN 13163</b>		
Thermal conductivity	W/(mK)	0.033
Length & Width	L3 & W3	+/- 0.6% or +/- 3mm* *whichever gives greater numerical tolerance
Thickness	T2	+/- 2mm
Squareness	Sb5	+/- 5mm per 1000mm
Flatness	P10	+/- 10mm per 1000mm
Reaction to fire	Class	Class E
<b>Specific Requirements to BS EN 13163</b>		
Compressive stress @ 10% deformation	CS(10)300	Minimum 300 kPa
Bending strength	BS 450	Minimum 450 kPa
<b>Additional Properties BS EN 13163</b>		
Shear strength of 225 kPa correlated to bending strength requirement 450 kPa		
Water vapour diffusion factor ( $\mu$ )	40 to 100	
Water vapour permeability mg/(Pa.h.m)	0.006 to 0.015	
<b>Other information</b>		
Nominal Density	46 Kg/m <sup>3</sup>	
The above material is a flame retardant grade		

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