

DECLARATION OF PERFORMANCE

No: EPS 100E Flat Board / Tapered Insulation 1.0 EN

1 Identification Code	HYTHERM EPS100E
2 Batch number allowing identification of the construction product	Refer to the product label
3 Intended use	Thermal Insulation for Buildings
4 Manufacturer	Axter Ltd West Road, Ransomes Europark IPSWICH, Suffolk IP3 9SX www.axter.co.uk/dop
5 Authorised representative	Not applicable.
6 System of assessment and verification of constancy of performance of the product	System 3 (with 4 for RtF)
7 Product covered by the harmonized standard	Under system 3: Notified Testing Laboratory no. 0833 performed the determination of the Reaction to fire performance on the basis of type testing and issued test reports. Notified Testing Laboratory No. 0836 performed the determination of Thermal conductivity on the basis of type testing and issued test reports. Notified Testing Laboratory No. 1334 performed the determination of Compressive strength on the basis of type testing and issued test reports. Notified Testing Laboratory No. 0321 performed the determination of Compressive strength on the basis of type testing and issued test reports.
8 European Technical Assessment	Not applicable.
9 Declared performance	

Essential characteristic	Performance		Harmonised technical specification
Reaction to fire	Reaction to fire of the product as placed on the market	Euroclass E	EN 13163 : 2012
Continuous glowing combustion	Continuous glowing combustion	NPD*	
Water permeability	Water absorption	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD*	
Direct airborne sound insulation index	Dynamic stiffness	NPD	
Acoustic absorption index	EPS products have no significant airborne sound absorption properties	NPD	
Impact noise transmission (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
Thermal resistance	Thermal resistance	See Table 1	
	Thermal conductivity	0.035 WmK (declared)	
	Thickness	T2	
Water vapour permeability	Water vapour transmission	0.009 – 0.020 (tabulated values)	



Essential characteristic	Performance		Harmonised technical specification
Compressive strength	Compressive stress at 10% deformation	CS(10)100	EN 13163 : 2012
	Deformation under specified compressive load and temperature conditions	NPD	
Tensile /Flexural strength	Bending strength	BS150	
	Tensile strength perpendicular to faces	NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	PASS	
Durability of thermal resistance against heat, weathering, ageing/degradation	Durability characteristics	PASS	
Durability of compressive strength against ageing and degradation	Compressive creep	NPD	
	Freeze-thaw resistance	NPD	
	Long term thickness reduction	NPD	
Table 1			
Nominal thickness range			Thermal resistance m ² K/W (declared)
10mm – 600mm	10mm		0.25 m ² K/W
	600mm		17.10 m ² K/W

*No EN test method available

- 10 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Phillip Wilcox-Moore (Managing Director)

Ipswich - July 1, 2013