

DECLARATION OF PERFORMANCE

No: Hydroshield EPS 200E Insulation 1.0 EN

1 Identification Code	Hydroshield
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. Notified Testing Laboratory No. 0836 performed the determination of Water absorption by diffusion and freeze-thaw resistance 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 by diffusion	WD (V) 1	
		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	



Essential characteristic	Performance		Harmonised technical specification
Thermal resistance	Thermal resistance	See Table 1	EN 13163 : 2012
	Thermal conductivity	0.033 WmK (declared)	
	Thickness	T2	
Compressive strength	Compressive stress at 10% deformation	CS(10)100	
	Deformation under specified compressive load and temperature conditions	NPD	
Tensile /Flexural strength	Bending strength	BS250	
	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	FTCD3	
	Long term thickness reduction	NPD	
Table 1			
Nominal thickness range		Thermal resistance m ² K/W (declared)	
10mm – 600mm	10mm	0.30 m ² K/W	
	600mm	18.15 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