

Declaration of Performance
DoP-NL-01-1413-EPS HR 100 SE EBoard Eng

IsoBouw

Identification Code	EPS HR 100 SE EBoard	IsoBouw EPS-HR-100-SE
Identification	EPS EN 13163-L(3)-W(3)-T(2)-S(5)-P(5)-DS(70,90)1-CS(10) 100-BS150-TR150- DS(N)5	
Intended use	EPS boards for thermal insulation	
Manufacturer	IsoBouw Systems bv Postbus 1 NL-5710 AA Someren Tel +31-(0)493-498111 email: info@isobouw.nl www.isobouw.nl	
Harmonised standard	EN 13163:2012+A1:2015	
System AVCP	System 3	
Notified Body	NB 0063	
Essential characteristic		Performance
Thermal resistance	Thermal resistance R_d at thickness d Thermal conductivity λ_d Thickness tolerances	See label/table 0,031 W/mK T(2)
Reaction to fire	Reaction to fire of the product as placed on the market	Euroclass E
Compressive strength	Compressive strength at 10% deformation	CS(10)100
Tensile strength	Tensile strength perpendicular to faces TR	TR 150 kPa
Bending strength	Bending strength BS	BS 150 kPa
Water permeability	Long-term water absorption by Immersion / Diffusion	NPD
Water vapour permeability	Water vapour transmission	NPD
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance R_d at thickness d Thermal conductivity λ_d Durability characteristics *	see CE Label 0,031 W/mK Pass
Durability of reaction to fire against heat, weathering, ageing/degradation.	Durability characteristics **	Pass
Durability of compressive strength against ageing/degradation	Compressive creep / Freeze-thaw resistance / Long term thickness reduction	NPD
Impact noise transmission	Dynamic stiffness / Thickness / Compressibility	NPD
Continuous glowing combustion	Continuous glowing combustion	NPD
Release of dangerous substances	Release of dangerous substances to the indoor environment	NPD
NPD = No Performance Determined		
* Thermal conductivity of EPS products does not change with time, experience has shown the cellular structure to stable.		
** The fire performance of EPS does not deteriorate with time.		
Someren 12-04-2022 (Replaces all previous versions)		
Signed on behalf of the manufacturer M van de Burgt General Manager		

d _n mm	R _D m²K/W	d _n mm	R _D m²K/W
25	0,65	115	3,00
30	0,75	120	3,15
35	0,90	125	3,25
40	1,05	130	3,40
45	1,15	135	3,55
50	1,30	140	3,65
55	1,40	145	3,80
60	1,55	150	3,90
65	1,70	155	4,05
70	1,80	160	4,20
75	1,95	165	4,30
80	2,10	170	4,45
85	2,20	175	4,60
90	2,35	180	4,70
95	2,50	185	4,85
100	2,60	190	5,00
105	2,75	195	5,10
110	2,85	200	5,25