



H2FOAM LITE E

DECLARATION OF PERFORMANCE

SECTION 1: Product Name
H2Foam Lite E

SECTION 2: Intended use
Thermal insulation for buildings

SECTION 3: Manufacturer
ICYNENE LAPOLLA SPRL Clos Chapelle aux Champs, 30 B-1200 BRUSSELS BELGIUM

SECTION 4: Authorised Representative
Not relevant

SECTION 5: System of AVCP:
System 3

SECTION 6: Harmonized Standard
Harmonized Standard EN 14315-1 and EN 12667
Notified Body NB 1390

SECTION 7: Declared Performance		
Characteristic	Performance	Harmonized Standard
Reaction to Fire	Euroclass E	EN 14315-1:2013
Water Permeability	W0,3	
Thermal Resistance	See attached table for values of declared thermal resistance	
Water Vapour Permeability	MU4,4	
Compressive Strength	NPD	
Durability of reaction to fire against ageing/degradation	Reaction to fire does not decrease with time	
Durability of thermal resistance against ageing/degradation(λ_d, R_d)	Declared thermal conductivity value after aging $\lambda_D = 0,037 \text{ W/mK}$, see attached table for values of declared thermal resistance	
Durability compressive strength against ageing/degradation	NPD	
Continuous Glowing Combustion	NPD	

Declared thermal resistance for all application thicknesses

Thickness (mm)	Declared aged thermal conductivity λ_d (W/mK)	Thermal resistance R_d (m ² K/W)	Thickness (mm)	Declared aged thermal conductivity λ_d (W/mK)	Thermal resistance R_d (m ² K/W)
50	0,037	1,35	230	0,037	6,20
55	0,037	1,45	235	0,037	6,35
60	0,037	1,60	240	0,037	6,45
65	0,037	1,75	245	0,037	6,60
70	0,037	1,85	250	0,037	6,75
75	0,037	2,00	255	0,037	6,85
80	0,037	2,15	260	0,037	7,00
85	0,037	2,25	265	0,037	7,15
90	0,037	2,40	270	0,037	7,25
95	0,037	2,55	275	0,037	7,40
100	0,037	2,70	280	0,037	7,55
105	0,037	2,80	285	0,037	7,70
110	0,037	2,95	290	0,037	7,80
115	0,037	3,10	295	0,037	7,95
120	0,037	3,20	300	0,037	8,10
125	0,037	3,35	305	0,037	8,20
130	0,037	3,50	310	0,037	8,35
135	0,037	3,60	315	0,037	8,50
140	0,037	3,75	320	0,037	8,60
145	0,037	3,95	325	0,037	8,75
150	0,037	4,05	330	0,037	8,90
155	0,037	4,15	335	0,037	9,05
160	0,037	4,30	340	0,037	9,15
165	0,037	4,45	345	0,037	9,30
170	0,037	4,55	350	0,037	9,45
175	0,037	4,70	355	0,037	9,55
180	0,037	4,85	360	0,037	9,70
185	0,037	5,00	365	0,037	9,85
190	0,037	5,10	370	0,037	10,00
195	0,037	5,25	375	0,037	10,10
200	0,037	5,40	380	0,037	10,25
205	0,037	5,50	385	0,037	10,40
210	0,037	5,65	390	0,037	10,50
215	0,037	5,80	395	0,037	10,65
220	0,037	5,90	400	0,037	10,80
225	0,037	6,05			

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

February 2021

DoP : Declaration of Performance

CPR : Construction Product Regulation

Declaration of Performance

DoP 002/12-2020



Pierre-Antoine BERTIER

EU Certification Director