

# Declaration of Performance

## H<sub>2</sub>Foam Lite (LDC-50)

DoP N° 0012/10-2017

1	Unique identification code of the product-type:	<b>H<sub>2</sub>Foam Lite (LDC-50)</b> PUEN14315-1-A1-CCC1-CS(10\Y)100-CT5(25)-DS(TH)4-FRC8(25)-GT16(25)-MU3,3-TFT17(25)-W0,3
2	Intended use	Thermal insulation from semi hard foam (PUR) made insitu for walls, ceilings, roofs, suspended ceilings and floors.
3	Manufacturer:	ICYNENE INC 6747 Campobello Road, Mississauga, Ontario, Canada, L5N 2L7 +1 905 363 4040 www.icynene.com
4	Authorised Representative:	ICYNENE Europe S.P.R.L. Clos Chapelle des Champs, Boite 3030, 1200 Bruxelles, Belgium +32 (0)2 880 62 33 www.icynene.eu
5	System of AVCP:	System 3
6	Harmonized Standart:	EN 14315-1
	Notified Body:	NB 0809, NB 1390

### Declared thermal resistance for all application thicknesses

Thickness (mm)	Declared aged thermal conductivity, $\lambda_d$ (W/mK)	Thermal Resistance Rd (m <sup>2</sup> K/W)	Thickness (mm)	Declared aged thermal conductivity, $\lambda_d$ (W/mK)	Thermal Resistance Rd (m <sup>2</sup> K/W)
50	0,038	1,30	205	0,038	5,35
55	0,038	1,45	210	0,038	5,50
60	0,038	1,55	215	0,038	5,65
65	0,038	1,70	220	0,038	5,75
70	0,038	1,80	225	0,038	5,90
75	0,038	1,95	230	0,038	6,05
80	0,038	2,10	235	0,038	6,15
85	0,038	2,20	240	0,038	6,30
90	0,038	2,35	245	0,038	6,40
95	0,038	2,50	250	0,038	6,55
100	0,038	2,60	255	0,038	6,70
105	0,038	2,75	260	0,038	6,80
110	0,038	2,85	265	0,038	6,95
115	0,038	3,00	270	0,038	7,10
120	0,038	3,15	275	0,038	7,20
125	0,038	3,25	280	0,038	7,35
130	0,038	3,40	285	0,038	7,50
135	0,038	3,55	290	0,038	7,60
140	0,038	3,65	295	0,038	7,75
145	0,038	3,80	300	0,038	7,85
150	0,038	3,95	305	0,038	8,00
155	0,038	4,05	310	0,038	8,15
160	0,038	4,20	315	0,038	8,25
165	0,038	4,30	320	0,038	8,40
170	0,038	4,45	325	0,038	8,55
175	0,038	4,60	330	0,038	8,65
180	0,038	4,70	335	0,038	8,80
185	0,038	4,85	340	0,038	8,95
190	0,038	5,00	345	0,038	9,05
195	0,038	5,10	350	0,038	9,20
200	0,038	5,25			

### 7. Declared performance:

Characteristic	Performance	Harmonized Standard
Reaction to Fire	E	EN 14315-1:2013
Water Permeability	0,3 (kg/m <sup>2</sup> )	
Thermal Resistance	see attached table for values of declared thermal resistance	
Water Vapor Permeability	MU3,3	
Compressive Strength	CS(10/Y)100	
Durability Fire Characteristic	Reaction to fire does not decrease with time	
Durability of thermal resistance against aging/ degradation( $\lambda_d$ ,Rd)	Declared thermal conductivity value after aging $\lambda_D = 0,038$ W/mK, see attached table for values of declared thermal resistance	
Durability compressive strength against aging/ degradation	Compressive strength does not decrease with time	
Continuous Glowing Combustion	NPD	

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:

Paul Duffy M.A.Sc., P.Eng.  
Vice President, Engineering



ICYNENE Inc. Mississauga,  
October, 2017

DoP : Declaration of performance  
CPR : Construction Product Regulation  
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