DECLARATION OF PERFORMANCE

INSULTHANE® 50 OPEN-CELL SPRAY POLYURETHANE FOAM

SECTION 1: Product Name

Insulthane® 50

SECTION 2: Intended Use

Thermal insulation for buildings

SECTION 3: Manufacturer

Elastochem Specialty Chemicals
37 Easton Road, Brantford, ON
CANADA

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 1023

SECTION 7: Declared Performance

Characteristic	Performance	Harmonized Standard
Reaction to Fire	Euroclass F	EN 14315-1:2013
Thermal Resistance	See attached table for values of declared thermal resistance	
Short Term Water Absorption	0.54 kg/m^2	
Water Vapour Transmission	μ value 3.68	
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 (λd, Rd)	Declared thermal conductivity value after aging λd 0.038 W/mK. See attached table for values of declared thermal resistance	
Durability compressive strength against ageing/degradation	NPD	
Continuous Glowing Combustion	NPD	

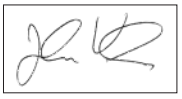
Elastochem Specialty Chemicals Inc.
37 Easton Road Brantford, ON N3P 1J4
1-877-787-2436 | **www.elastochem.com**

Thermal Resistance for Application Thicknesses

Thickness (mm)	Declared Aged Thermal Conductivity λd (W/mK)	Thermal Resistance Rd (m2K/W)	Thickness (mm)	Declared Aged Thermal Conductivity λd (W/mK)	Thermal Resistance Rd (m2K/W)
50	0.038	1.30	230	0.038	6.05
55	0.038	1.40	235	0.038	6.15
60	0.038	1.55	240	0.038	6.30
65	0.038	1.70	245	0.038	6.40
70	0.038	1.80	250	0.038	6.55
75	0.038	1.95	255	0.038	6.70
80	0.038	2.10	260	0.038	6.80
85	0.038	2.20	265	0.038	6.95
90	0.038	2.35	270	0.038	7.10
95	0.038	2.50	275	0.038	7.20
100	0.038	2.60	280	0.038	7.35
105	0.038	2.75	285	0.038	7.50
110	0.038	2.85	290	0.038	7.60
115	0.038	3.00	295	0.038	7.75
120	0.038	3.15	300	0.038	7.85
125	0.038	3.25	305	0.038	8.00
130	0.038	3.40	310	0.038	8.15
135	0.038	3.55	315	0.038	8.25
140	0.038	3.65	320	0.038	8.40
145	0.038	3.80	325	0.038	8.55
150	0.038	3.90	330	0.038	8.65
155	0.038	4.05	335	0.038	8.80
160	0.038	4.20	340	0.038	8.95
165	0.038	4.30	345	0.038	9.05
170	0.038	4.45	350	0.038	9.20
175	0.038	4.60	355	0.038	9.30
180	0.038	4.70	360	0.038	9.45
185	0.038	4.85	365	0.038	9.60
190	0.038	5.00	370	0.038	9.70
195	0.038	5.10	375	0.038	9.85
200	0.038	5.25	380	0.038	10.00
205	0.038	5.35	385	0.038	10.10
210	0.038	5.50	390	0.038	10.25
215	0.038	5.65	395	0.038	10.35
220	0.038	5.75	400	0.038	10.50
225	0.038	5.90			

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is isued 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:

Declaration of Performance
DoP 002/01-2024



John Volk
EU Certification Manager