

2Ib. Medium Density Closed Cell Foam Comparison Physical Properties



Properties	Test Method/ Requirements	Value	Value	Value	Value	Value
Trade Name:	n/a	Heatlok™ SOYA Airmétic™ SOYA	Foam-Lok™	CertaSpray™	Polarfoam™ SOYA	Walltite ECO™
CCMC:	n/a	13244-L	13414-L	13405-L	13244-L	13530-L
Foam Colour:	n/a	Green	Orange	Beige	Peach	Purple
Manufacturer:	n/a	Demilec	Lapolla	CertainTeed	Demilec	BASF
CUFCA Approved:	n/a	Yes	No	Yes	Yes	No
Foam Type:	CAN/ULC S-705.1	Type 2	Type 1	Type 1	Type 2	Type 1
LTR R-Value (R/50 mm)		11.5	10.2	10.2	11.5	11.07
(RSI/50mm):	ULC S-770	(2.02)	(1.80)	(1.80)	(2.02)	(1.95)
Compressive Strength - kPa (psi):	ASTM D-1621	195 (28.3)	185 (27)	207 (30)	195 (28.3)	186 (27.0)
Apparent Core Density - kg/m ³ (lb/ft ³):	ASTM D-1622	33 (2.06)	41.5 (2.6)	39.76 (2.5)	33 (2.06)	29 (1.8)
Open Cell Content (%):	ASTM D-6226	< 1	6.97	< 8	< 1	8
Tensile Strength - kPa (psi):	ASTM D-1623	355 (51.5)	355 (51)	414 (60)	355 (51.5)	241 (35.0)
Water Vapour Permeance ng/Pa.s.m ² (gr/h•ft•in.Hg):	ASTM E-96 @50mm (core sample)	37 (0.65)	40 (0.70)	< 60 (1.04)	37 (0.65)	42 (0.70)
Dimensional Stability: 28 days @ 70°C, 97% RH:	ASTM D-2126 15% max by volume change	9.8	-13.5	< 9	9.8	1.5
Flame Spread Classification:	CAN ULC S-102	200	470	275	200	315
Fungi Resistance:	ASTM C-1338	Does not support fungal growth	Does not support fungal growth	Does not support fungal growth	Does not support fungal growth	Does not support fungal growth
Water Absorption by Volume (%):	ASTM D-2842	0.8	2.9	< 2	0.8	1.2
Field QAP Provider:	n/a	CUFCA	EXOVA	CUFCA	CUFCA	MORRISON HERSHFIELD
Field QAP Contact:	n/a	1-866-GO-SPRAY	(905) 822-4111	1-866-GO-SPRAY	1-866-GO-SPRAY	1-866-474-3588
Time to occupy (hrs):	n/a	24	24	24	24	24

NOTES:

CUFCA has taken information provided by independent laboratory test results and the above manufacturers own data sheets in order to provide a concise comparison on key data points.

Please consult the manufacturers own data sheets for further information and specifications.

Airmétic™ SOYA is the same product as HEATLOK™ SOYA. Airmétic™ SOYA is marketed in Quebec.

R-Values: We have listed the LTRR (Long Term Thermal Resistance) measurement as this should be the standard measurement used in design.

VOC Time to Occupy: The VOC Time to occupy for above CCMC certified foams is no greater than 24 hours. Unrated foams are not tested.

Data provided here is accurate at time of printing and may be subject to future revision should new tests be completed or updated. (11/12/10)



CANADIAN URETHANE FOAM CONTRACTORS ASSOCIATION INC.
ASSOCIATION CANADIENNE DES ENTREPRENEURS EN MOUSSE DE POLYURETHANE INC.