



Icynene Inc.

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ICYNENE MD-C-200™ CDN

ICYNENE MD-C-200™ CDN is a closed-cell medium density spray applied polyurethane foam insulation and air barrier material. The insulation is applied at a nominal density of 2 lb/ft³. MD-C-200™ CDN meets the requirements of CAN/ULC-S705.1. The insulation is for use in wall cavities, floor assemblies, ceiling assemblies and attics and crawl spaces.

CCMC# 13561-L

PHYSICAL PROPERTIES

Characteristic	Test Method	Details	Imperial	Metric	CAN/ULC-S705.1-05 *
					Requirement
Core Density	ASTM D 1622		2.0 lb/ft ³	32 kg/m ³	> 28 kg/m ³
Initial Thermal Resistance	ASTM C-518	2" - 50 mm	R - 6.5 per inch	RSI:2.37 m ² /K/W	Declare
Long Term Thermal Resistance	CAN/ULC S 770	2" - 50 mm	R - 5.5 per inch	RSI:1.94 m ² /K/W	Type 1 Min. 1.8
Open Cell Content	ASTM D 2856		< 8%	< 8%	< 8%
Fungi Growth	ASTM G 21		No Growth	No Growth	N/A
PBDE's			None	None	N/A
Fire Rating	CAN/ULC S102/S127	FSI	230	230	<500
Fire Rating	CAN/ULC S102/S127	SDI	405	405	
Air Permeance	ASTM E 2178	@ 75 PA		0.00005 L/s.m ² @ 2"	< 0.02 L/s.m ²
Tensile Strength	ASTM D 1623		75 psi	517 kPa	> 200 kPa
Compressive Strength	ASTM D 1621		35 psi	250 kPa	> 170 kPa
Colour			Silver	Silver	
Dimensional Stability (% volume change)	ASTM D 2126	80°C (176°F) and ambient R.H.	-0.70%		- 1% to + 8%
Dimensional Stability (% volume change)	ASTM D 2126	-20°C (-4°F) and ambient R.H.	0.03%		< -1%
Dimensional Stability (% volume change)	ASTM D 2126	70°C (158°F) and 97% humidity	0.20%		< +14%
Water Absorption by volume	ASTM D 2842		0.60%	0.60%	Max 4%
Water Vapor Permeance	ASTM E 96		0.65 perm @ 2"	36 ng/Pa·s·m ²	<60 ng/Pa·s·m ²
VOC's	CAN/ULC-S774		Pass	Pass	Pass

* Amendments 1,2&3

Disclaimer: Data presented in this document is based on tests and information, which we believe to be reliable. This document is provided for information purposes only and does not constitute a warranty, expressed or implied, including any warranty of merchantability or fitness. This data is relied upon at the sole discretion and judgement of user/reviewer.

MD-C-200™ CDN should not be left exposed and must be protected by an approved thermal barrier as required under code. MD-C-200™ CDN must be installed in accordance with CAN/ULC S705.2 and Icynene's Site Quality Assurance Program (SQAP). Only Icynene Certified Installers can install ICYNENE MD-C-200™.