



# ICYNENE MD-R-210<sup>R</sup>

<b>Application Scope</b>	ICYNENE MD-R-210 <sup>R</sup> is water blown closed cell spray foam insulation containing recycled content for walls, roofs, closed cavities and floors.
<b>Description</b>	The foam is obtained by combining two unique components in equal quantities with a pump/reactor connected to a spray gun. The expansion of the foam is 100% water based <u>without any blowing agent</u> (the water contained in the resin participates to the foam expansion when it is mixed with MDI in the gun chamber).

## Physical & Mechanical Properties

Tests	Test Method & Units	Conditions	Values
<b>Thermal Conductivity</b>	ASTM C-518		0.025
<b>Density Range</b>	ASTM C-1622		35-40kg/m3
<b>Compressive Strength</b>	ASTM D 1621 KPa	For a 10% deformation	≥ 170
<b>Water Absorption</b>	ASTM D 2842 kg/m <sup>2</sup>	under partial immersion	0,3
<b>Vapor Permability</b>	ASTM D 2178 MNs/gm		97.5
<b>Resistance to vapor diffusion</b>	ASTM E 96 μ		19.5
<b>Air Permeability</b>	ASTM E 2178		0.0002L/s.m2
<b>Dynamic Stiffness</b>	ASTM E 1623 KPa		200
<b>Fire rating</b>	CAN/ULC S102/S127		B s1 d0

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