



ICYNENE LD-C-50^R

Application Scope ICYNENE LD-C-50^R is a healthy open cell spray foam insulation for walls, roofs, closed cavities, new and existing drylining and floors.

Description 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 without any blowing agent (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
Thermal Conductivity measured according to the BBA, Agrément N° 08/4598, NSAI/IAB Agrément 09/0333 ETA approval 08/0018	EN 12667 EN ISO 10456 W/m.K		0.039
Density Range	NF EN1602 kg/m ³		7.5 - 8.3
Compressive Strength	NF EN 826 KPa	For a 10% deformation	≥ 6,7
Water Absorption	NF EN 1609 kg/m ²	under partial immersion	0,3
Vapor Permability	NF EN 12086 kg/m ² .s.Pa		1.13 x10 ⁻⁹
Resistance to vapor diffusion	NF EN 12086 μ		3,3
Air Permeability	NF EN 29053 m ³ /m.s.Pa		7,6 x10 ⁻⁹
Dynamic Stiffness	NF EN 29052-1 MN/m ³		4,3 - 8,4
Fire rating according to ATE n°08/0018	EN 13501-1	Behind a 12mm gypsum board	B s1 d0
Acoustic Performance	EN 1350/1-1:1997	Complies to timber frame collective buildings in Great Britain. BPC (Building Performance Centre) test N° P/4950L/09	

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