



ICYNENE LD-P-50^R

Application Scope

ICYNENE LD-P-50^R is a healthy open cell pour foam insulation for walls, 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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