

# ICYNENE AND LEED-HOMES

## Icynene insulation products in LEED for Homes (2008)

LEED for Homes (2008) Credit	Total Available Points	Relevant Benefit of Icynene Insulation and Air Barrier Material	Maximum Icynene <b>Direct Point</b> Contribution		
			ICYNENE LD-C-50™	ICYNENE LD-R-50™	ICYNENE MD-R-200™
EAC1.1: Optimizing Energy Performance	Prerequisite	Icynene Spray Polyurethane products may help meet performance requirement of ENERGY STAR® for Homes.	Prerequisite	Prerequisite	Prerequisite
EAC1.2: Optimizing Energy Performance	34	<p>Up to 11 % energy savings can be achieved with Icynene insulation versus traditional energy options. This can earn up to 9 points, assuming the minimum energy performance requirements for EAC1.1 were met through other means.</p> <p>*Icynene insulation products can reduce heating and cooling costs by up to 50%. The 2006 DOE Energy Use study shows that over 40% of building energy consumption is attributed to space heating and cooling. See 2006 U.S. Energy End-Use Split Chart.</p>	9*	9*	9*
EAC2: Insulation	2	<p>Icynene insulation may contribute towards the enhanced insulation requirements necessary for 2 points, both by offering high R-values and by greatly simplifying the effort required to achieve HERS Grade 1 workmanship.</p> <p>Effective R-values of wall, ceiling, floor and basement components must exceed those specified in IECC2004 code by 5%.</p>	2	2	2
EAC3: Air Infiltration	3	Greatly reduced or minimal envelope air leakage can be expected with Icynene's superior air sealing capabilities. Air changes of 2.0 ACH @ 50 Pa or better are commonly achieved with Icynene insulation.	3	3	3
MRC2: Environmentally Preferable Products	8	<p>Projects local to Toronto, Ontario may earn 0.5 points.</p> <p>**See Regional Sourcing Reference Map in the "Icynene and Your LEED Projects" brochure for the definition of "local". Additionally, Icynene cannot consistently guarantee the source location of our raw materials.</p> <p>Another 0.5 point can be earned for low VOC emission compliance with California Practice for Testing of VOCs from Building Materials Using Small Chambers. Icynene products listed here are Collaborative for High Performance Schools (CHPS) EQ 2.2 Section 01350 compliant.</p>	1**	1**	1**



*Please note that LEED for Homes includes both a "performance" path of calculated energy use (EAC1) and a prescriptive path (EAC2-6). These two paths are mutually exclusive, so only one can be used.*