



Safety & Buildings Division  
201 West Washington Ave.  
P.O. Box 2658  
Madison, WI 53701-2658

Approval #

201104-I  
FN 20119004

## Wisconsin Building Product Evaluation

Material

ICYNENE MD-C-200™  
SPRAY-APPLIED FOAM PLASTIC INSULATION

Manufacturer

ICYNENE, INC.  
6747 CAMPOBELLO ROAD  
MISSISSAUGA, ONTARIO L5N 2L7

---

### SCOPE OF EVALUATION

Icynene MD-C-200™ Spray-Applied Foam Plastic Insulation has been evaluated against the current **Wisconsin Commercial Building Code (WCBC)** including both the 2006 and 2009 editions of the International Building Code (IBC) and International Energy Conservation Code. The material was also evaluated against the current **Wisconsin Uniform Dwelling Code (UDC)**.

The following properties were evaluated:

- Surface burning characteristics
- Physical Properties
- Thermal performance (R-values)
- Air permeability
- Vapor permeability
- Attic and crawl space installation
- Fire Resistance
- Exterior walls of Types I through V construction

## **DESCRIPTION AND USE**

Icynene MD-C-200™ foam plastic insulation is a two-component, spray-applied, medium-density, closed-cell, polyurethane foam plastic insulation with an installed nominal density of 2.0 pcf.

Icynene MD-C-200™ is used as a nonstructural thermal insulation in buildings of Type I through V construction of the **Wisconsin Commercial Building Code (WCBC)** and dwellings under the **Wisconsin Uniform Dwelling Code (UDC)**.

## **REPORTS AND RESULTS**

Data was submitted to ICC-ES as outlined in the ICC-ES Evaluation Report ESR 3199. Also submitted was the Icynene Technical Data Sheet for Icynene MD-C-200™.

Refer to the ICC-ES Evaluation Report ESR 3199 for results.

## **WISCONSIN COMMERCIAL BUILDING CODE (WCBC)**

Use the ICC-ES Evaluation Report ESR-3199 Issued April 1, 2011, for Evaluation Scope, Uses, Description, Design & Installation, Conditions of Use, Evidence Submitted and Identification of this product. The ICC evaluation report can be viewed at:

[http://www.icc-es.org/reports/pdf\\_files/ICC-ES/ESR-3199.pdf](http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-3199.pdf)

## **WISCONSIN UNIFORM DWELLING CODE (UDC)**

Use the ICC-ES Evaluation Report ESR-3199 Issued April 1, 2011, for Evaluation Scope, Uses, Description, Design & Installation, Conditions of Use, Evidence Submitted and Identification of this product. The 2006 and 2009 International Residential Code (IRC) provisions referenced in the evaluation report are similar in scope and application to requirements under the **Wisconsin Uniform Dwelling Code (UDC)**. The ICC evaluation report can be viewed at:

[http://www.icc-es.org/reports/pdf\\_files/ICC-ES/ESR-3199.pdf](http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-3199.pdf)

## **ADDITIONAL LIMITATIONS OF APPROVAL – WISCONSIN COMMERCIAL BUILDING CODE (WCBC)**

The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review.

## **ADDITIONAL LIMITATIONS OF APPROVAL – UNIFORM DWELLING CODE (UDC)**

The material shall be provided with a thermal barrier in accordance with the requirements in **Comm 21.11(1)(b)** of the current **Wisconsin Uniform Dwelling Code (UDC)**.

The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review.

**DISCLAIMER**

The department is not endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive or modify any code requirement not specified in this document.

**EXPIRATION**

This approval will be valid through December 31, 2016, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department.

Reviewed by: JBS

---

Approval Date: August 9, 2011    By: James B. Smith, P.E.  
Program Manager  
Bureau of Program Development