

ICC 1100-2019

Standard for Spray-applied Polyurethane Foam Plastic Insulation

American National Standard

International Code Council
500 New Jersey Avenue, NW, 6th Floor
Washington, D.C. 20001

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American National Standards Institute
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2019 ICC® Standard for Spray-applied Polyurethane Foam Plastic Insulation
(ICC 1100-2019)

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American National Standard

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FOREWORD

Introduction

In April 2017 the ICC Board of Directors, responding to the lack of a consensus industry standard that establishes the minimum physical property and installation requirements for spray-applied foam plastic insulation, appointed a consensus committee to develop a standard to cover the minimum physical properties and installation requirements for spray-applied foam plastic insulation.

Development

This is the first edition of the International Code Council® (ICC®) 1100 Spray-applied Polyurethane Foam Plastic Insulation Standard. It is based substantially on the ICC Evaluation Service, LLC (ICC-ES) Acceptance Criteria for Spray-applied Polyurethane Foam Plastic Insulation (AC377). This standard was developed by the ICC Foam Plastic Insulation Consensus Committee (IS-FPI) that operates under ANSI-approved ICC Consensus Procedures for the development of ICC standards.

The meetings of the IS-FPI Consensus Committee were open to the public and interested individuals and organizations from across the country participated. Views and objections were solicited through several public comment periods. All views and objections were considered by the consensus committee and an effort was made toward their resolution. A vote by the consensus committee approved this standard.

The requirements in ICC 1100—2019 are based on the intent to both update the long-established technical requirements of ICC-ES AC377 and provide those requirements of AC377 into a mandatory language format that removes commentary, ambiguity and product certification requirements which aren't appropriate for a consensus standard. It also improves upon the technical requirements to reflect current industry practices related to testing. A task group specifically reviewed the provisions within the standard to eliminate any conflicts with codes and establish common terms and rigor. The resulting document provides appropriate protections for health, safety and welfare while avoiding unnecessary restrictions on the use of new materials, technologies or designs.

Adoption

ICC 1100 Spray-applied Polyurethane Foam Plastic Insulation Standard is available for reference and use by jurisdictions in both codes and incentive programs internationally. It represents a distillation of the performance and installation requirements of AC377 and is appropriate for use as an adoptable successor to this document. Its use within a governmental jurisdiction is intended to be accomplished through adoption by reference in accordance with proceedings establishing the jurisdiction's law.

Interpretations

Requests for interpretations on the provisions of ICC 1100—2019 should be addressed to: ICC, Central Regional Office, 4051 Flossmoor Road, Country Club Hills, IL 60478.

Maintenance—Submittal of Proposals

All ICC standards are revised as required by ANSI. Proposals for revising this edition are welcome. Please visit the ICC website at www.iccsafe.org for the official "Call for Proposals" announcement. A proposal form and instructions can also be downloaded from www.iccsafe.org.

ICC, its members and those participating in the development of ICC 1100—2019 do not accept any liability resulting from compliance or noncompliance with the provisions of ICC 1100—2019. ICC does not have the power or authority to police or enforce compliance with the contents of this standard. Only the governmental body that enacts this standard into law has such authority.

International Code Council Spray-applied Polyurethane Foam Plastic Insulation Standard Consensus Committee (IS-FPI)

Consensus Committee SCOPE: The Spray-applied Polyurethane Foam Plastic Insulation Standard Consensus Committee (IS-FPI) shall have primary responsibility for minimum requirements to safeguard the public health, safety and general welfare along with minimum performance, and evaluation requirements for solar thermal systems. The requirements contained in the International Codes pertaining to these situations shall be coordinated with the standards developed by the IS-FPI Consensus Committee.

FOREWORD

This standard was processed and approved for submittal to ANSI by the ICC Spray-applied Polyurethane Foam Plastic Insulation Standard Consensus Committee (IS-FPI). Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

Representatives on the Consensus Committee are classified in one of three voting interest categories, General Interest (G), User Interest (U) and Producer Interest (P). The committee has been formed in order to achieve consensus as required by ANSI Essential Requirements. At the time it approved this standard, the IS-STSC Consensus Committee consisted of the following members:

Eric William Banks (U), Intertek Testing Services NA Inc., Houston, Texas

Ben Caldwell, AIA, LEED AP BD+C, CSI (U), Bjarke Ingels Group, New York City, New York

Randy R. Childers, CBO (G), Building Official, Waco, Texas

Monica Enamorado, PhD, (P), BASF Corp, Houston, Texas

Roger Morrison, PE, (U), Deer Ridge Consulting, Inc., Ararat, Virginia

Jerry Phelan (P), Covestro LLC, Pittsburgh, Pennsylvania

Jodi Thomas (P), The Dow Chemical Company, Midland, Michigan

Nanci Timmins (G), Office of Statewide Health Planning and Development/Facilities Development Division, Los Angeles, California

Brian Tollisen, PE (G), Division of Building Standards & Codes, NYS Department of State, Albany, New York

Secretary: **Steven Thorsell**, Director of ICC-ES Environmental Programs, Country Club Hills, Illinois.

Voting Membership in Each Category

Category	Number
General (G)	3
User (U)	3
Producer (P)	3
TOTAL	9

Interest Categories

General Interest: Individuals assigned to the General Interest category are those who represent the interests of an entity, including an association of such entities, representing the general public, or entities that promulgate or enforce the provisions within the committee scope. These entities include consumers and government regulatory agencies.

User Interest: Individuals assigned to the User Interest category are those who represent the interests of an entity, including an association of such entities, which is subject to the provisions or voluntarily utilizes provisions within the committee scope.

These entities include academia, applied research laboratory, building owner, design professional, government nonregulatory agency, insurance company, private inspection agency and product certification/evaluation agency.

Producer Interest: Individuals assigned to the Producer Interest category are those who represent the interests of an entity, including an association of such entities, which produces, installs or maintains a product, assembly or system subject to the provisions within the committee scope. These entities include builder, contractor, distributor, laborer, manufacturer, material association, standards promulgator, testing laboratory and utility.

NOTE—Multiple Interests: Individuals representing entities in more than one of the above interest categories, one of which is a Producer Interest, are assigned to the Producer Interest. Individuals representing entities in the General Interest and User Interest categories are assigned to the User Interest.

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