2026 CRCA TRADE SHOW & SEMINARS
JANUARY 14-16, 2026
DRURY LANE CONFERENCE CENTER

Low-slope technical update

Mark S. Graham
Vice President, Technical Services
National Roofing Contractors Association
NRCA

1

Code update

Illinois is a “home rule” state

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City of Chicago

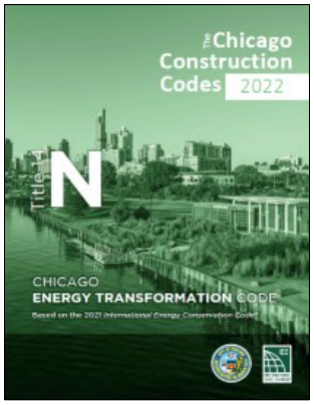
chicago.gov → Dept of Buildings

codes.iccsafe.org and search "Chicago"

3

City of Chicago

chicago.gov → Dept of Buildings



2021 IECC amended
Effective: November 1, 2022
Version: February 2023

https://codes.iccsafe.org/content/CHIETC2022P1

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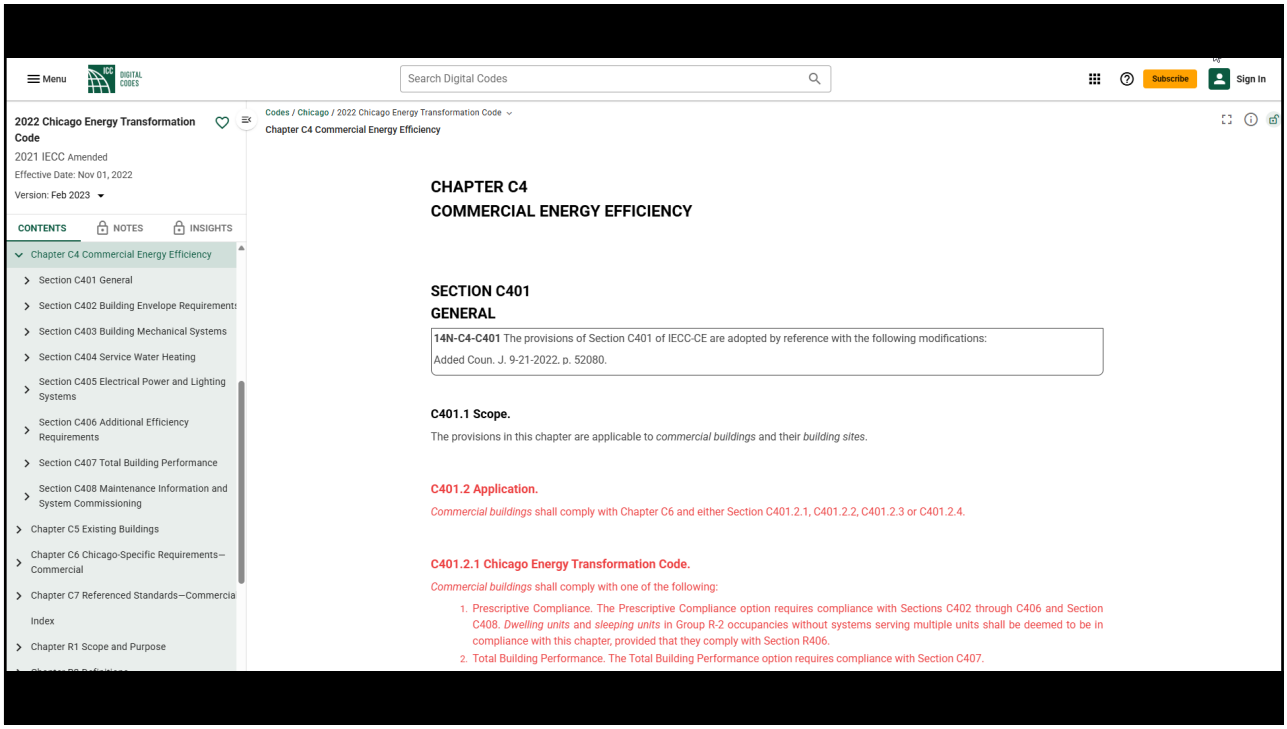
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2022 Chicago Energy Transformation Code
2021 IECC Amended
Effective Date: Nov 01, 2022
Version: Feb 2023
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CHAPTER C4
COMMERCIAL ENERGY EFFICIENCY
SECTION C401
GENERAL
14N-C4-C401 The provisions of Section C401 of IECC-CE are adopted by reference with the following modifications:
Added Coun. J. 9-21-2022. p. 52080.
C401.1 Scope.
The provisions in this chapter are applicable to commercial buildings and their building sites.
C401.2 Application.
Commercial buildings shall comply with Chapter C6 and either Section C401.2.1, C401.2.2, C401.2.3 or C401.2.4.
C401.2.1 Chicago Energy Transformation Code.
Commercial buildings shall comply with one of the following:
1. Prescriptive Compliance. The Prescriptive Compliance option requires compliance with Sections C402 through C406 and Section C408. Dwelling units and sleeping units in Group R-2 occupancies without systems serving multiple units shall be deemed to be in compliance with this chapter, provided that they comply with Section R406.
2. Total Building Performance. The Total Building Performance option requires compliance with Section C407.

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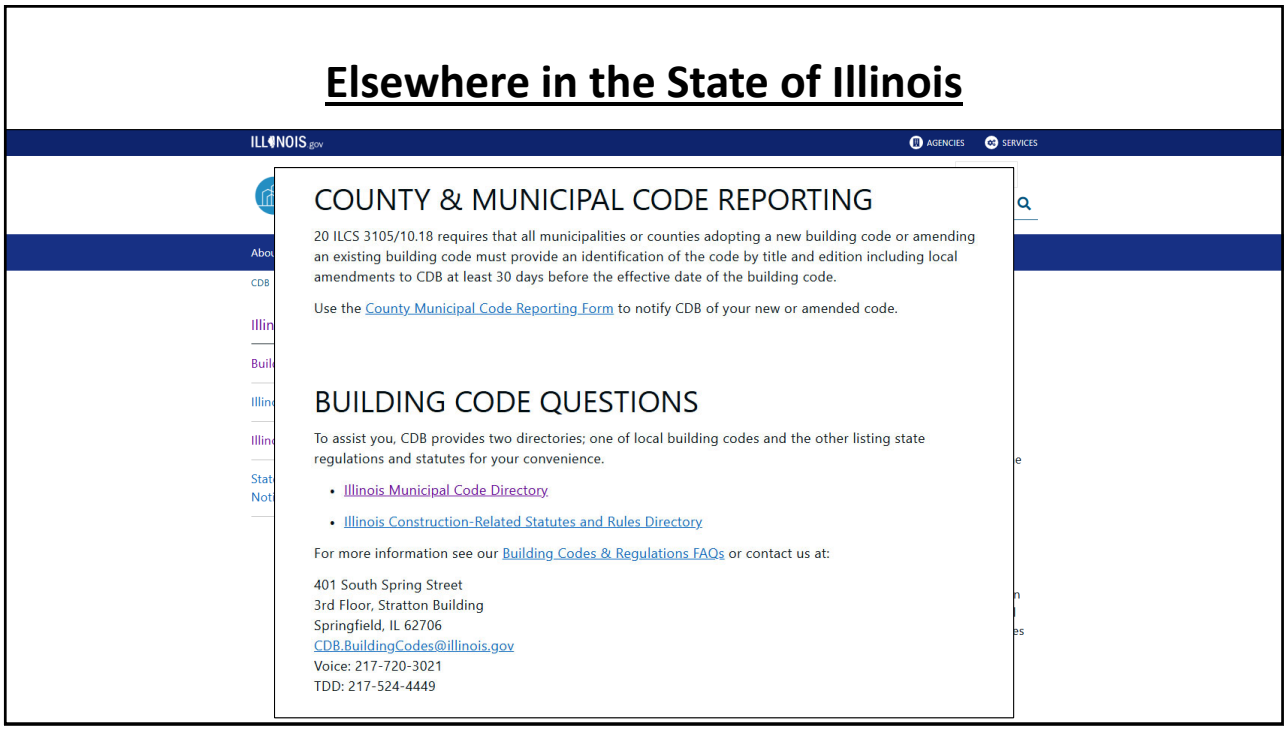
Elsewhere in the State of Illinois
ILLINOIS.gov
AGENCIES
SERVICES
COUNTY & MUNICIPAL CODE REPORTING
20 ILCS 3105/10.18 requires that all municipalities or counties adopting a new building code or amending an existing building code must provide an identification of the code by title and edition including local amendments to CDB at least 30 days before the effective date of the building code.
Use the County Municipal Code Reporting Form to notify CDB of your new or amended code.
BUILDING CODE QUESTIONS
To assist you, CDB provides two directories; one of local building codes and the other listing state regulations and statutes for your convenience.
Illinois Municipal Code Directory
Illinois Construction-Related Statutes and Rules Directory
For more information see our Building Codes & Regulations FAQs or contact us at:
401 South Spring Street
3rd Floor, Stratton Building
Springfield, IL 62706
CDB.BuildingCodes@illinois.gov
Voice: 217-720-3021
TDD: 217-524-4449

6

Illinois Municipal C

Code Abbreviation	Edition Year	Local Modification Adopted	Effective Date	Last Updated
ISPSC	2021	Yes	1/15/2025	3/6/2025
NFPA 101	2021	Yes	1/15/2025	3/6/2025
NEC	2020	Yes	1/15/2025	3/6/2025
IMC	2021	Yes	1/15/2025	3/6/2025
IEBC	2021	Yes	1/15/2025	3/6/2025
IECC	2021	Yes	1/15/2025	3/6/2025
ISPC	2014	Yes	9/22/2015	4/23/2024
IPMC	2021	Yes	1/15/2025	3/6/2025
IFGC	2021	Yes	1/15/2025	3/6/2025
IRC	2021	Yes	1/15/2025	3/6/2025
IBC	2021	Yes	1/15/2025	3/6/2025
IFC	2021	Yes	1/15/2025	3/6/2025

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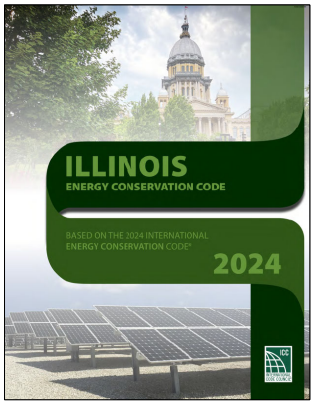
State of Illinois, except the City of Chicago

cdb.illinois.gov → Illinois Codes



2024 IECC amended
Effective: November 30, 2025

https://codes.iccsafe.org/content/ILECC2024P1

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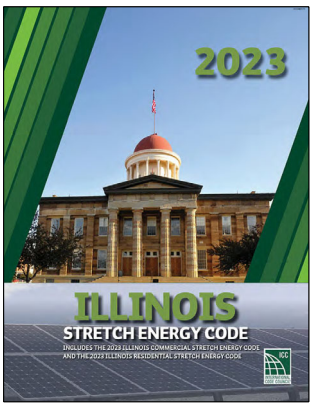
Optional adoption for State of Illinois jurisdictions

cdb.illinois.gov → Illinois Codes



Draft 2024 IECC with enhancing amendments
Adopted in Evanston. Other adoptions pending

https://codes.iccsafe.org/content/ILSEC2023P1

9

IL SB 1742/Public Act 104-0121

Rooftop Safety for First Responders Act

Section 15. Survey.

(a) No later than January 1, 2027, and every 2 years thereafter, each municipality shall complete a survey of buildings in its jurisdiction that have skylights and other openings located in the plane of a low-sloped roof.

(b) The results of the survey shall be reported in a building inventory that shall be shared with local police

Public Act 104-0121

SB1742 Enrolled LRB104 09745 BDA 19811 b

departments and local fire departments.

10

Section 10. Low-sloped roof edges and openings. All existing buildings, new construction, new roofs, roof replacements, and renovation projects that increase the area

Public Act 104-0121

SB1742 Enrolled LRB104 09745 BDA 19811 b

of a home or business by more than 50% are subject to the following requirements:

(1) The edges of a low-sloped roof that adjoin a shaft or a court that is enclosed on all sides shall be provided with a parapet, extended masonry, or guard, or any combination thereof that meets the requirements of Section 1015 of the International Building Code.

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(2) All skylights and other openings located in the plane of a low-sloped roof that are not otherwise required to remain open and unobstructed by law shall be either:

(A) glazed with wired glass, plain glass, glass block, or polycarbonate plastic that is designed and constructed to withstand a minimum dynamic load test of no less than 400 pounds; or

(B) provided with a parapet, extended masonry, or guard, or any combination thereof, that meets the requirements of Section 1015 of the International Building Code.

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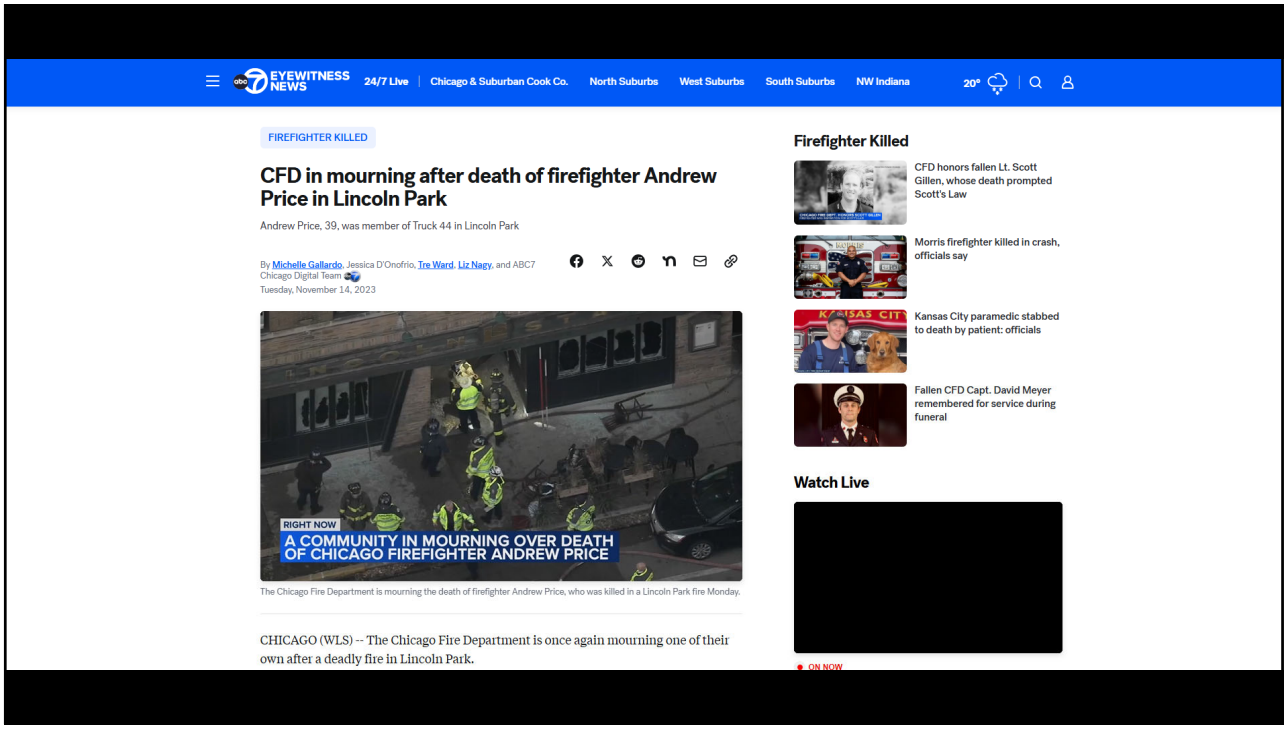

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Some code process "concerns"

- Increased us of a legislative route to adopt code modifications instead of the established code development process
- Specific roofing-industry segments opposing roofing contractors' interests in the code development process:
  - Manufacturer associations (i.e., PIMA)
  - Some manufacturers

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Technical issues

Low-slope roofing

15

"Moisture" meter concerns

16

These meters do not read moisture…
…they are reading relative conductivity, which can be correlated to specific materials in specific conditions when properly calibrated.

17

Diving rod for dowsing

18

Considerations

"Moisture" meters

- Read/understand the instruction manual
- Understand device sensitivity
- Understand proper operating conditions
- Proper calibration/recalibration is critical
- Don't overstate the meter's capability
- Verify job-specific results with gravimetric analysis (e.g., ASTM C1616)

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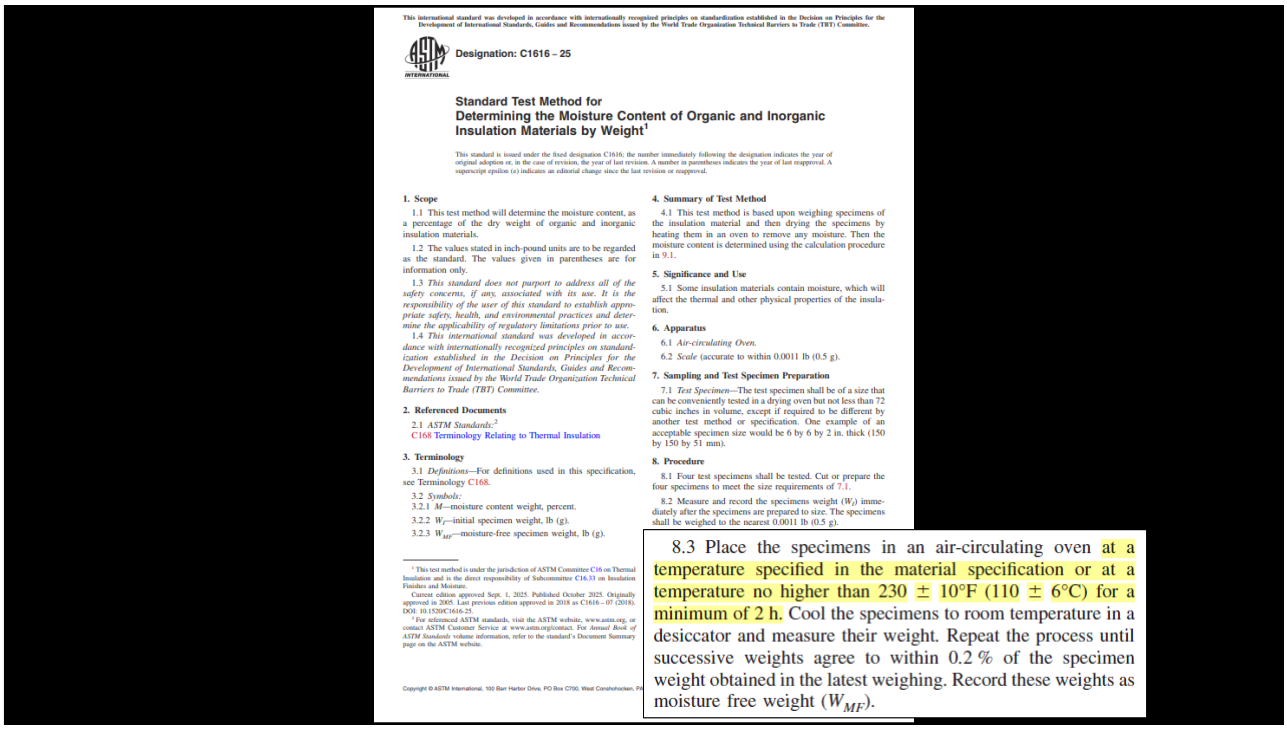

This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

Designation: C1616 – 25

Standard Test Method for Determining the Moisture Content of Organic and Inorganic Insulation Materials by Weight[1]

This standard is issued under the fixed designation C1616; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method will determine the moisture content, as a percentage of the dry weight of organic and inorganic insulation materials.

1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

C168 Terminology Relating to Thermal Insulation

3. Terminology

3.1 *Definitions*—For definitions used in this specification, see Terminology C168.

3.2 *Symbols:*

3.2.1 *M*—moisture content weight, percent.

3.2.2 W_I—initial specimen weight, lb (g).

3.2.3 W_{MF}—moisture-free specimen weight, lb (g).

4. Summary of Test Method

4.1 This test method is based upon weighing specimens of the insulation material and then drying the specimens by heating them in an oven to remove any moisture. Then the moisture content is determined using the calculation procedure in 9.1.

5. Significance and Use

5.1 Some insulation materials contain moisture, which will affect the thermal and other physical properties of the insulation.

6. Apparatus

6.1 *Air-circulating Oven.*

6.2 *Scale* (accurate to within 0.0011 lb (0.5 g).

7. Sampling and Test Specimen Preparation

7.1 *Test Specimen*—The test specimen shall be of a size that can be conveniently tested in a drying oven but not less than 72 cubic inches in volume, except if required to be different by another test method or specification. One example of an acceptable specimen size would be 6 by 6 by 2 in. thick (150 by 150 by 51 mm).

8. Procedure

8.1 Four test specimens shall be tested. Cut or prepare the four specimens to meet the size requirements of 7.1.

8.2 Measure and record the specimens weight (W_I) immediately after the specimens are prepared to size. The specimens shall be weighed to the nearest 0.0011 lb (0.5 g).

8.3 Place the specimens in an air-circulating oven at a temperature specified in the material specification or at a temperature no higher than 230 ± 10°F (110 ± 6°C) for a minimum of 2 h. Cool the specimens to room temperature in a desiccator and measure their weight. Repeat the process until successive weights agree to within 0.2 % of the specimen weight obtained in the latest weighing. Record these weights as moisture free weight (W_{MF}).

[1] This test method is under the jurisdiction of ASTM Committee C16 on Thermal Insulation and is the direct responsibility of Subcommittee C16.33 on Insulation Finishes and Moisture.

Current edition approved Sept. 1, 2025. Published October 2025. Originally approved in 2005. Last previous edition approved in 2018 as C1616 – 07 (2018). DOI: 10.1520/C1616-25.

[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at www.astm.org/contact. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

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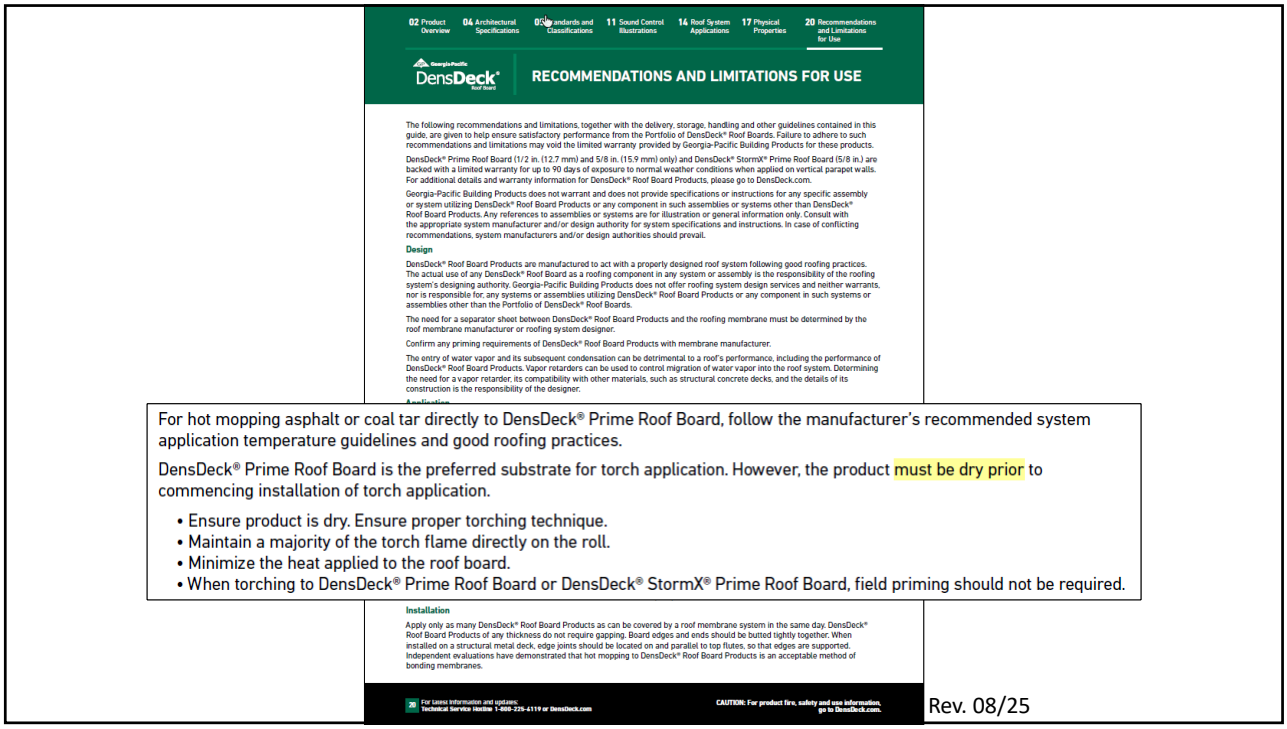

02 Product Overview | 04 Architectural Specifications | 05 Standards and Classifications | 11 Sound Control Illustrations | 14 Roof System Applications | 17 Physical Properties | 20 Recommendations and Limitations for Use

Georgia-Pacific DensDeck® Roof Board

RECOMMENDATIONS AND LIMITATIONS FOR USE

The following recommendations and limitations, together with the delivery, storage, handling and other guidelines contained in this guide, are given to help ensure satisfactory performance from the Portfolio of DensDeck® Roof Boards. Failure to adhere to such recommendations and limitations may void the limited warranty provided by Georgia-Pacific Building Products for these products.

DensDeck® Prime Roof Board (1/2 in. (12.7 mm) and 5/8 in. (15.9 mm) only) and DensDeck® StormX® Prime Roof Board (5/8 in.) are backed with a limited warranty for up to 90 days of exposure to normal weather conditions when applied on vertical parapet walls. For additional details and warranty information for DensDeck® Roof Board Products, please go to DensDeck.com.

Georgia-Pacific Building Products does not warrant and does not provide specifications or instructions for any specific assembly or system utilizing DensDeck® Roof Board Products or any component in such assemblies or systems other than DensDeck® Roof Board Products. Any references to assemblies or systems are for illustration or general information only. Consult with the appropriate system manufacturer and/or design authority for system specifications and instructions. In case of conflicting recommendations, system manufacturers and/or design authorities should prevail.

Design

DensDeck® Roof Board Products are manufactured to act with a properly designed roof system following good roofing practices. The actual use of any DensDeck® Roof Board as a roofing component in any system or assembly is the responsibility of the roofing system's designing authority. Georgia-Pacific Building Products does not offer roofing system design services and neither warrants, nor is responsible for, any systems or assemblies utilizing DensDeck® Roof Board Products or any component in such systems or assemblies other than the Portfolio of DensDeck® Roof Boards.

The need for a separator sheet between DensDeck® Roof Board Products and the roofing membrane must be determined by the roof membrane manufacturer or roofing system designer.

Confirm any priming requirements of DensDeck® Roof Board Products with membrane manufacturer.

The entry of water vapor and its subsequent condensation can be detrimental to a roof's performance, including the performance of DensDeck® Roof Board Products. Vapor retarders can be used to control migration of water vapor into the roof system. Determining the need for a vapor retarder, its compatibility with other materials, such as structural concrete decks, and the details of its construction is the responsibility of the designer.

For hot mopping asphalt or coal tar directly to DensDeck® Prime Roof Board, follow the manufacturer's recommended system application temperature guidelines and good roofing practices.

DensDeck® Prime Roof Board is the preferred substrate for torch application. However, the product must be dry prior to commencing installation of torch application.

- Ensure product is dry. Ensure proper torching technique.
- Maintain a majority of the torch flame directly on the roll.
- Minimize the heat applied to the roof board.
- When torching to DensDeck® Prime Roof Board or DensDeck® StormX® Prime Roof Board, field priming should not be required.

Installation

Apply only as many DensDeck® Roof Board Products as can be covered by a roof membrane system in the same day. DensDeck® Roof Board Products of any thickness do not require gapping. Board edges and ends should be butted tightly together. When installed on a structural metal deck, edge joints should be located on and parallel to top flutes, so that edges are supported. Independent evaluations have demonstrated that hot mopping to DensDeck® Roof Board Products is an acceptable method of bonding membranes.

20 For latest information and updates: Technical Service Hotline 1-800-225-4119 or DensDeck.com

CAUTION: For product fire, safety and use information, go to DensDeck.com.

Rev. 08/25

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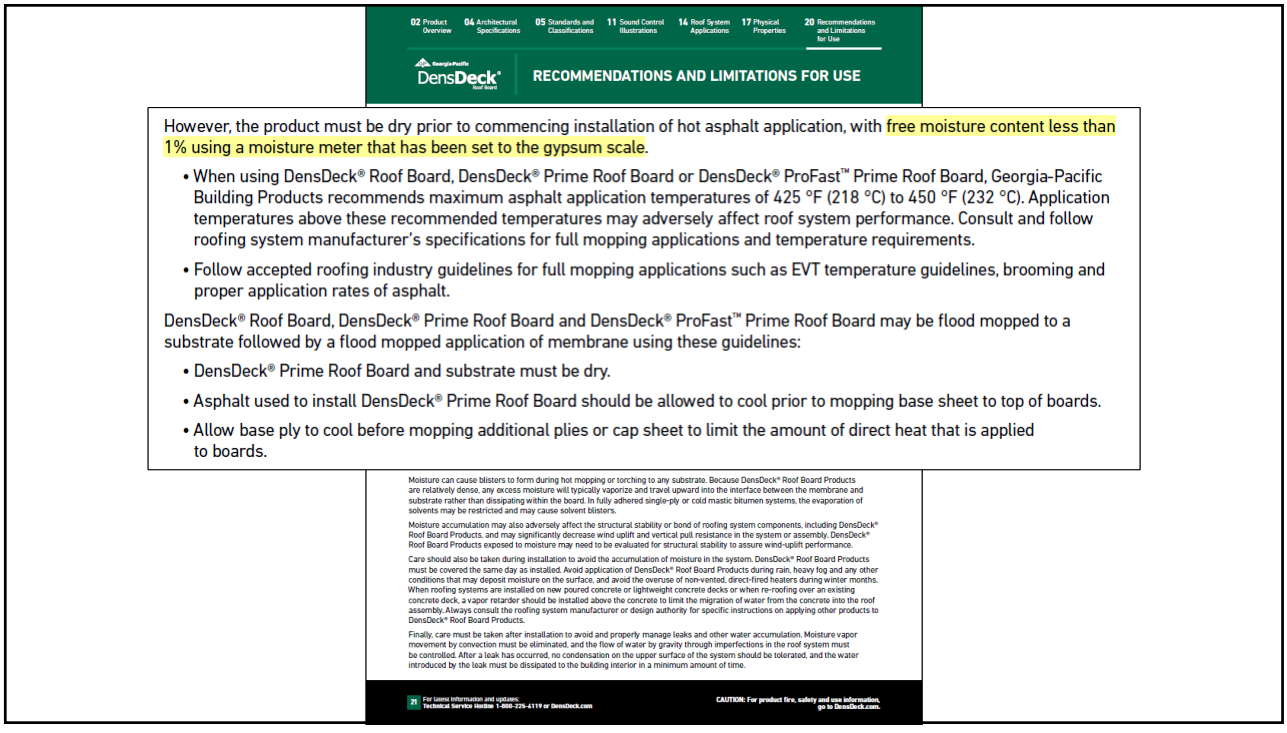

02 Product Overview | 04 Architectural Specifications | 05 Standards and Classifications | 11 Sound Control Illustrations | 14 Roof System Applications | 17 Physical Properties | 20 Recommendations and Limitations for Use

Georgia-Pacific DensDeck® Roof Board

RECOMMENDATIONS AND LIMITATIONS FOR USE

However, the product must be dry prior to commencing installation of hot asphalt application, with free moisture content less than 1% using a moisture meter that has been set to the gypsum scale.

- When using DensDeck® Roof Board, DensDeck® Prime Roof Board or DensDeck® ProFast™ Prime Roof Board, Georgia-Pacific Building Products recommends maximum asphalt application temperatures of 425 °F (218 °C) to 450 °F (232 °C). Application temperatures above these recommended temperatures may adversely affect roof system performance. Consult and follow roofing system manufacturer's specifications for full mopping applications and temperature requirements.
- Follow accepted roofing industry guidelines for full mopping applications such as EVT temperature guidelines, brooming and proper application rates of asphalt.

DensDeck® Roof Board, DensDeck® Prime Roof Board and DensDeck® ProFast™ Prime Roof Board may be flood mopped to a substrate followed by a flood mopped application of membrane using these guidelines:

- DensDeck® Prime Roof Board and substrate must be dry.
- Asphalt used to install DensDeck® Prime Roof Board should be allowed to cool prior to mopping base sheet to top of boards.
- Allow base ply to cool before mopping additional plies or cap sheet to limit the amount of direct heat that is applied to boards.

Moisture can cause blisters to form during hot mopping or torching to any substrate. Because DensDeck® Roof Board Products are relatively dense, any excess moisture will typically vaporize and travel upward into the interface between the membrane and substrate rather than dissipating within the board. In fully adhered single-ply or cold mastic bitumen systems, the evaporation of solvents may be restricted and may cause solvent blisters.

Moisture accumulation may also adversely affect the structural stability or bond of roofing system components, including DensDeck® Roof Board Products, and may significantly decrease wind uplift and vertical pull resistance in the system or assembly. DensDeck® Roof Board Products exposed to moisture may need to be evaluated for structural stability to assure wind-uplift performance.

Care should also be taken during installation to avoid the accumulation of moisture in the system. DensDeck® Roof Board Products must be covered the same day as installed. Avoid application of DensDeck® Roof Board Products during rain, heavy fog and any other conditions that may deposit moisture on the surface, and avoid the overuse of non-vented, direct-fired heaters during winter months. When roofing systems are installed on new poured concrete or lightweight concrete decks or when re-roofing over an existing concrete deck, a vapor retarder should be installed above the concrete to limit the migration of water from the concrete into the roof assembly. Always consult the roofing system manufacturer or design authority for specific instructions on applying other products to DensDeck® Roof Board Products.

Finally, care must be taken after installation to avoid and properly manage leaks and other water accumulation. Moisture vapor movement by convection must be eliminated, and the flow of water by gravity through imperfections in the roof system must be controlled. After a leak has occurred, no condensation on the upper surface of the system should be tolerated, and the water introduced by the leak must be dissipated to the building interior in a minimum amount of time.

21 For latest information and updates: Technical Service Hotline 1-800-225-4119 or DensDeck.com

CAUTION: For product fire, safety and use information, go to DensDeck.com.

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GYPSUM ASSOCIATION

ABOUT | PUBLICATIONS & DOCUMENTS | EDUCATION | TECHNICAL RESOURCES | INNOVATION | SUSTAINABILITY & STEWARDSHIP | NEWS & EVENTS

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Moisture in Gypsum Panel Products

The number of inquiries to the Gypsum Association about water-damaged gypsum panels always increases during the winter, early spring, after hurricane season or after any other significant water exposure event. Answers to many of these questions are found in an Association document revised in 2019, GA-231 *Assessing Water Damage to Gypsum Board*.

Gypsum panels can occasionally be subjected to moisture. Sometimes, this exposure is unintentional and due to a flood or hurricane. On occasion, a panel is intentionally dampened so that it can be used to create a curved surface. In each case, gypsum panels must not be overexposed to excessive moisture levels.

Once exposed to moisture, a panel must be evaluated. It is the recommendation of the Gypsum Association and its member companies that panels exposed to water should always be replaced unless all of the following conditions are met:

- The source of the water is identified and eliminated.
- The water to which any gypsum panel was exposed was uncontaminated.
- The gypsum panels can be dried thoroughly before mold growth begins (typically 24 to 48 hours depending on environmental conditions).
- The gypsum panel is structurally sound and there is no evidence of rusting fasteners or physical damage to the framing that would diminish the physical properties of the gypsum panel or system.

All of this is immaterial, however, when it comes to panels that have been exposed to floodwater. Since floodwater is almost certainly contaminated with extremely high levels of bacteria and pollutants, the industry recommends that gypsum panels exposed to floodwater shall be replaced. The same is true if it is believed that a panel has been exposed to sewage or wastewater.

All of the above is contained in Gypsum Association document GA-231 *Assessing Water Damage to Gypsum Board*, along with recommendations for creating acceptable drying conditions and a list of additional information resources. Quite simply, if there is ever doubt about whether to keep or replace gypsum panels that have been exposed to water, replace them.

Beyond a flood or natural disaster, gypsum panels can be exposed to water in a number of ways, including improper installation, missing flashing, ruptured pipes, bathtub overflows, and general water leaks. The Association does periodically receive requests for instructions on how to establish the moisture content of gypsum panels if they have been subjected to potentially damaging levels of water exposure. These generally involve the use of moisture meters.

Moisture meters operate on the principle that the electrical resistance and dielectric properties of materials vary consistently with moisture content changes. Calibrating a moisture meter to a substance such as wood is relatively straightforward because wood has relatively uniform composition throughout the thickness. Moreover, calibration curves are often quite consistent for different species of wood, (i.e. between spruce, pine, or fir).

Using a moisture meter on gypsum panels presents a significantly different physical situation. In this case, volume includes two materials with quite different responses to moisture. It is important to recognize that, unlike lumber, a gypsum panel consists of an inorganic core comprising the bulk of panel thickness with thin paper or glass mat facers laminated to the front and back of the panel. The measurement volume includes a thin hygroscopic layer (in the case of a paper facer), and a much larger volume of inorganic mineral (the gypsum core). These materials have quite dissimilar moisture adsorption and electrical properties. As such, a moisture meter calibrated using the techniques commonly applied for wood can yield misleading results for quantifying the moisture content of a gypsum panel. Similarly, the facer of glass-mat gypsum panels affects moisture meters differently than the paper facer on gypsum board. Further, the hydrophobic additives incorporated in the paper and core of water- and mold-resistant gypsum panels can introduce even more complications.

Link

23

This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

Designation: C1789 – 24

Standard Test Method for Calibration of Hand-Held Moisture Meters on Gypsum Panels[1]

This standard is issued under the fixed designation C1789; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This test method applies to the calibration of hand-held moisture meters for gypsum board, glass faced gypsum panels and fiber-reinforced gypsum panels by means of electrical conductance and dielectric meters. The test uses wetted test specimens which are dried down in at least five (5) steps to determine the moisture content based on the weight loss in comparison to the dry weight. The test also supplies the ERH values for each of the drying steps.

1.2 This test method has not been evaluated for the influence of paint or wall covering materials on the indicated moisture content of a gypsum board or panel substrate.

1.3 The values stated in SI (metric) are to be regarded as standard. The values given in parentheses are mathematical conversions to inch-pound units that are provided for information only and are not considered standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

C473 Test Methods for Physical Testing of Gypsum Panel Products

C1177/C1177M Specification for Glass Mat Gypsum Substrate for Use as Sheathing

C1178/C1178M Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel

C1278/C1278M Specification for Fiber-Reinforced Gypsum Panel

C1396/C1396M Specification for Gypsum Board

D4442 Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials

D4444 Test Method for Laboratory Standardization and Calibration of Hand-Held Moisture Meters

2.2 *ASHRAE Standard:*[3]

2009 ASHRAE Handbook – Fundamentals, Chapter 1 – Psychrometrics, American Society of Heating, Refrigerating and Air-conditioning Engineers

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *absolute humidity, d_a, n*—the ratio of the mass of water vapor to the total volume of the moist air sample.

3.1.2 *admittance, n*—inverse of impedance, a measure of how easily an electric current can flow through a material.

3.1.3 *conductance meters, n*—conductance meters are those that measure predominantly ionic conductance between points of applied voltage, usually dc.

3.1.3.1 *Discussion*—Conductance meters generally have pins that penetrate into the material being measured. Direct-current conductance meters are commonly referred to as "resistance" meters. Most commercial conductance meters are high-input impedance (about 10^{12} Ω), wide-range (10^4 to 10^{12} Ω) ohmmeters. Their scales are generally calibrated to read directly in moisture content (oven-dry mass basis) for a particular calibration material and at a specific reference temperature.

3.1.4 *dew-point temperature, t_d, n*—the temperature at which a sample of moist air being cooled at constant pressure and moisture content reaches 100 % relative humidity.

[1] This test method is under the jurisdiction of ASTM Committee C11 on Gypsum and Related Building Materials and Systems and is the direct responsibility of Subcommittee C11.01 on Specifications and Test Methods for Gypsum Products.
Current edition approved April 1, 2024. Published April 2024. Originally approved in 2013. Last previous edition approved in 2018 as C1789 – 18 (2018). DOI: 10.1520/C1789-24.

[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] Available from American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE), 1791 Tullie Circle, NE, Atlanta, GA 30329, http://www.ashrae.org.

*A Summary of Changes section appears at the end of this standard

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Considerations…

- Be extra cautious of handheld moisture meters
- The “dryness” of gypsum board products is somewhat unknown
- NRCA cautions mopped- or torch-application to gypsum board products

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Polyiso. storage

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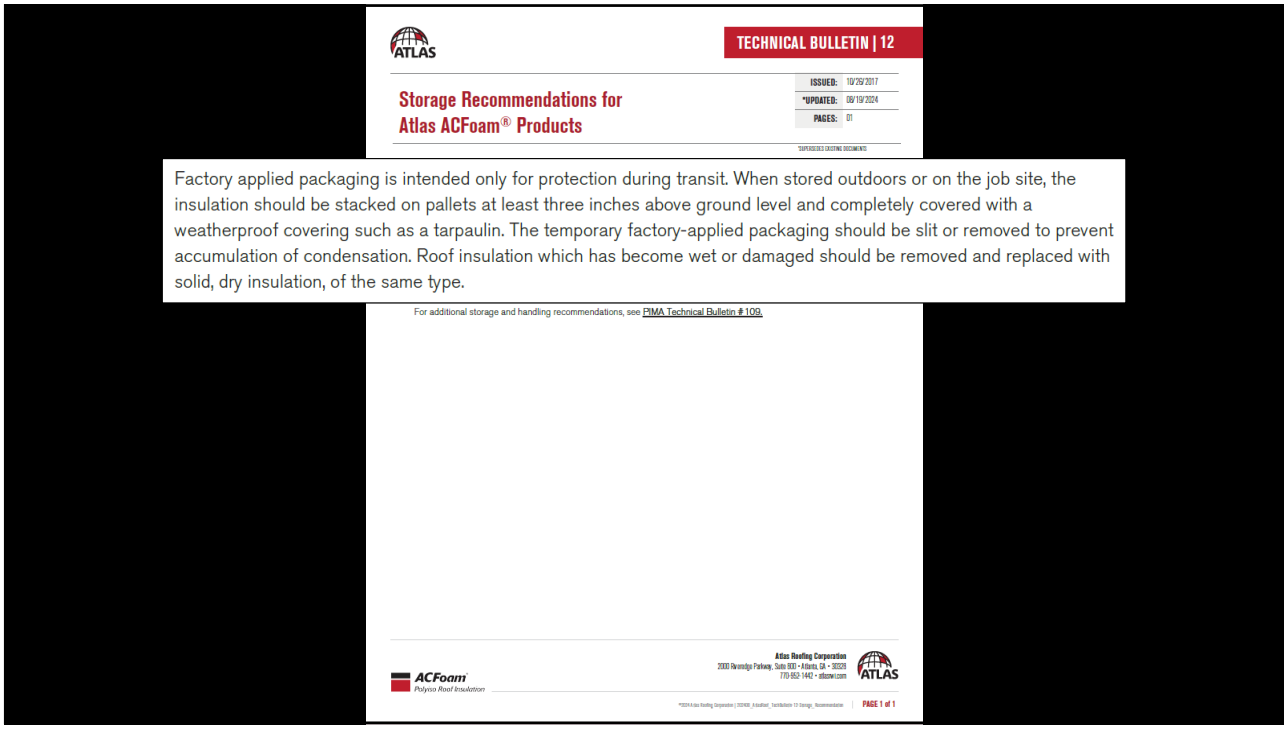
ATLAS
TECHNICAL BULLETIN | 12
Storage Recommendations for Atlas ACFoam® Products
ISSUED: 10/25/2017
*UPDATED: 08/19/2024
PAGES: 01
Factory applied packaging is intended only for protection during transit. When stored outdoors or on the job site, the insulation should be stacked on pallets at least three inches above ground level and completely covered with a weatherproof covering such as a tarpaulin. The temporary factory-applied packaging should be slit or removed to prevent accumulation of condensation. Roof insulation which has become wet or damaged should be removed and replaced with solid, dry insulation, of the same type.
For additional storage and handling recommendations, see PIMA Technical Bulletin # 109.
ACFoam
Polyiso Roof Insulation
Atlas Roofing Corporation
ATLAS
PAGE 1 of 1

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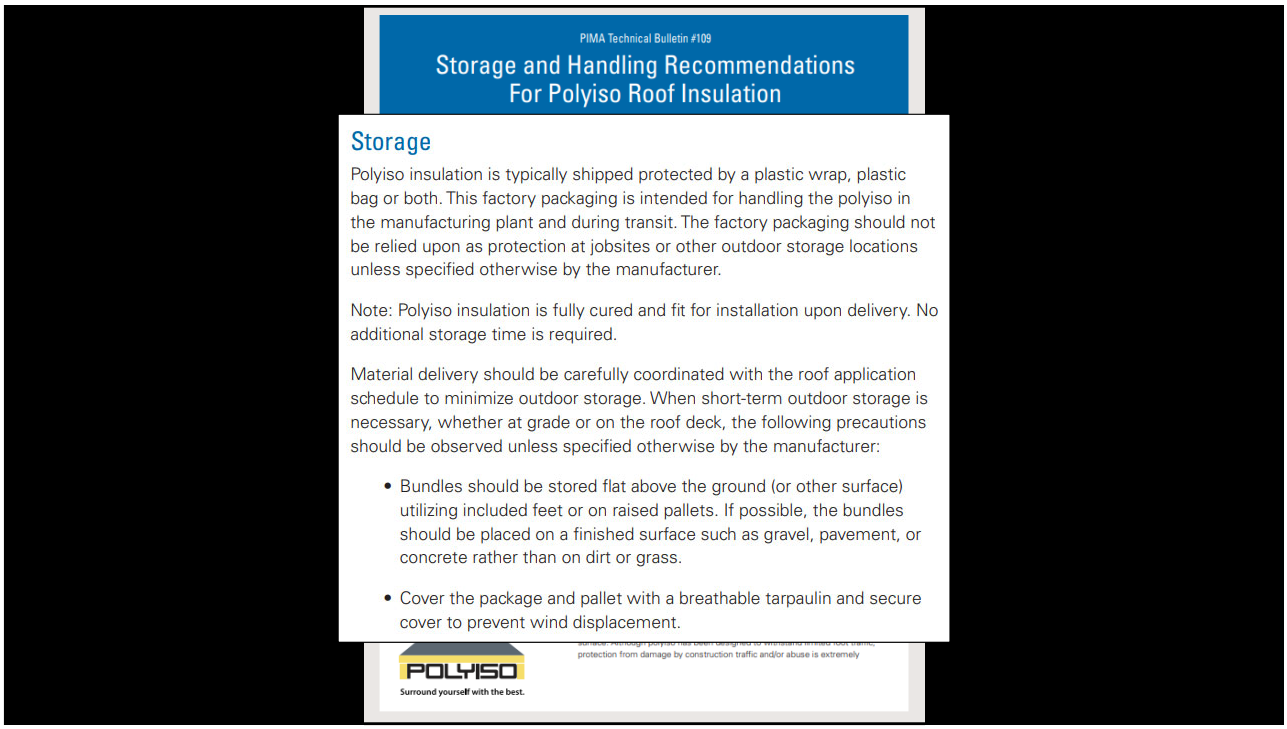
PIMA Technical Bulletin #109
Storage and Handling Recommendations For Polyiso Roof Insulation
Storage
Polyiso insulation is typically shipped protected by a plastic wrap, plastic bag or both. This factory packaging is intended for handling the polyiso in the manufacturing plant and during transit. The factory packaging should not be relied upon as protection at jobsites or other outdoor storage locations unless specified otherwise by the manufacturer.
Note: Polyiso insulation is fully cured and fit for installation upon delivery. No additional storage time is required.
Material delivery should be carefully coordinated with the roof application schedule to minimize outdoor storage. When short-term outdoor storage is necessary, whether at grade or on the roof deck, the following precautions should be observed unless specified otherwise by the manufacturer:
• Bundles should be stored flat above the ground (or other surface) utilizing included feet or on raised pallets. If possible, the bundles should be placed on a finished surface such as gravel, pavement, or concrete rather than on dirt or grass.
• Cover the package and pallet with a breathable tarpaulin and secure cover to prevent wind displacement.
POLYISO
Surround yourself with the best.

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31

Rolling tarp system

32

Fastener issues

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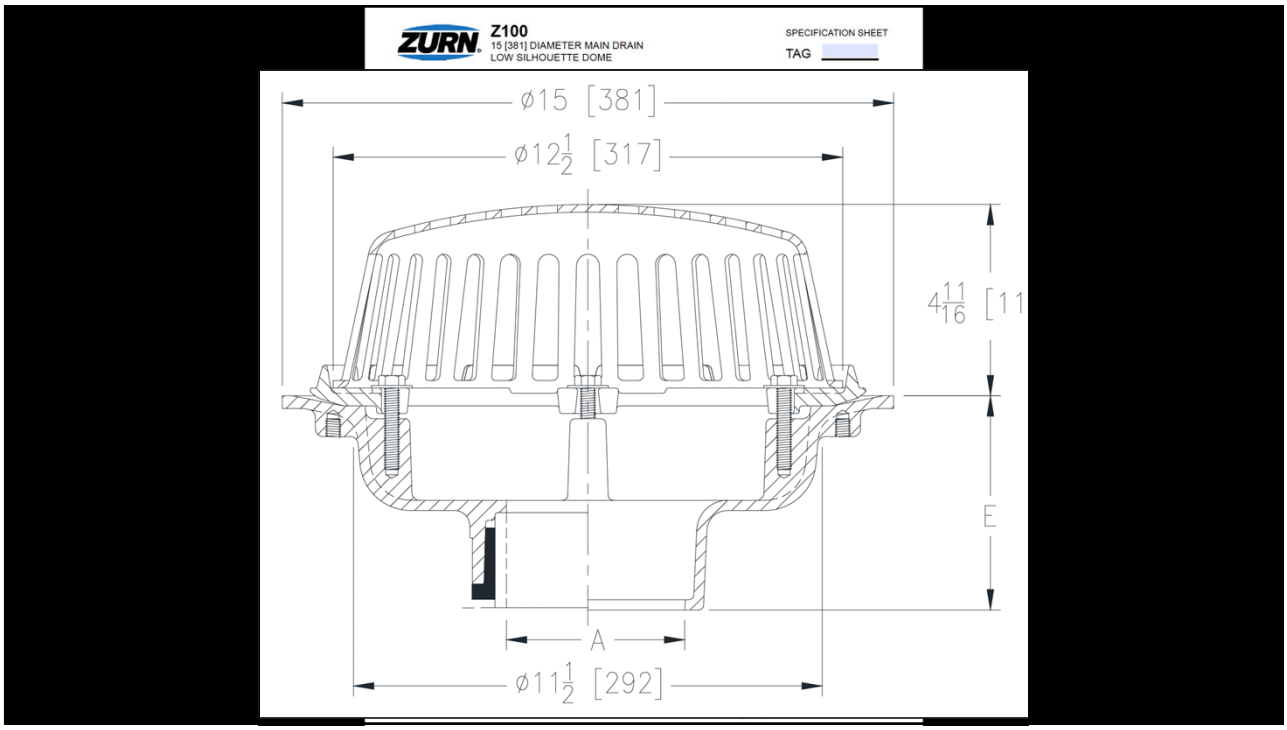
34

Roof drain issues

35



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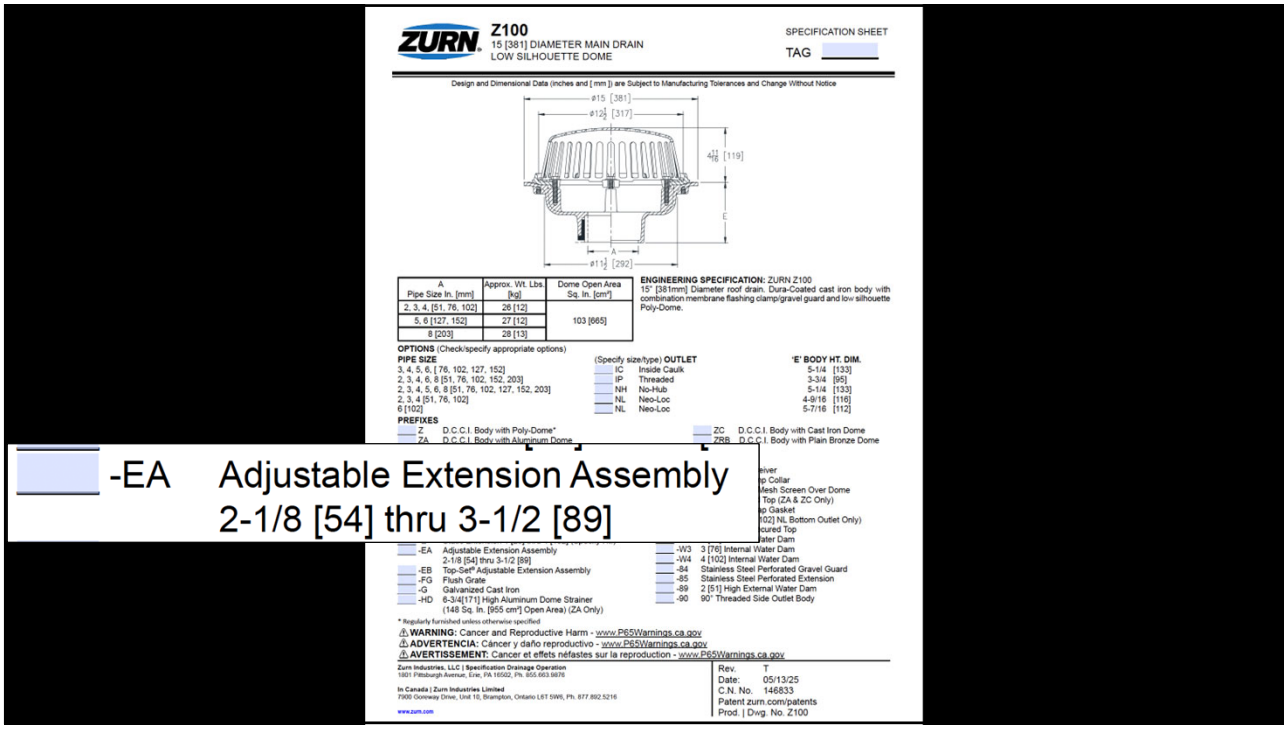
ZURN Z100
15 [381] DIAMETER MAIN DRAIN
LOW SILHOUETTE DOME
SPECIFICATION SHEET
TAG
Design and Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice
ø15 [381]
ø12 3/4 [317]
4 11/16 [119]
ø11 1/2 [292]
A Pipe Size In. [mm]
Approx. Wt. Lbs [kg]
Dome Open Area Sq. In. [cm²]
2, 3, 4, [51, 76, 102] 26 [12]
5, 6 [127, 152] 27 [12]
8 [203] 28 [13]
103 [665]
ENGINEERING SPECIFICATION: ZURN Z100
15" [381mm] Diameter roof drain. Dura-Coated cast iron body with combination membrane flashing clamp/gravel guard and low silhouette Poly-Dome.
OPTIONS (Check/specify appropriate options)
PIPE SIZE
3, 4, 5, 6, [76, 102, 127, 152]
2, 3, 4, 6, 8 [51, 76, 102, 152, 203]
2, 3, 4, 5, 6, 8 [51, 76, 102, 127, 152, 203]
2, 3, 4 [51, 76, 102]
6 [102]
(Specify size/type) OUTLET
IC Inside Caulk
IP Threaded
NH No-Hub
NL Neo-Loc
NL Neo-Loc
'E' BODY HT. DIM.
5-1/4 [133]
3-3/4 [95]
5-1/4 [133]
4-9/16 [116]
5-7/16 [112]
PREFIXES
Z D.C.C.I. Body with Poly-Dome*
ZA D.C.C.I. Body with Aluminum Dome
ZC D.C.C.I. Body with Cast Iron Dome
ZRB D.C.C.I. Body with Plain Bronze Dome
-EA Adjustable Extension Assembly 2-1/8 [54] thru 3-1/2 [89]
-EB Top-Set® Adjustable Extension Assembly
-FG Flush Grate
-G Galvanized Cast Iron
-HD 6-3/4[171] High Aluminum Dome Strainer (148 Sq. In. [955 cm²] Open Area) (ZA Only)
-W3 3 [76] Internal Water Dam
-W4 4 [102] Internal Water Dam
-84 Stainless Steel Perforated Gravel Guard
-85 Stainless Steel Perforated Extension
-89 2 [51] High External Water Dam
-90 90° Threaded Side Outlet Body
* Regularly furnished unless otherwise specified
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
ADVERTENCIA: Cáncer y daño reproductivo - www.P65Warnings.ca.gov
AVERTISSEMENT: Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov
Zurn Industries, LLC | Specification Drainage Operation
1801 Pittsburgh Avenue, Erie, PA 16502, Ph. 855.663.9876
In Canada | Zurn Industries Limited
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, Ph. 877.892.5216
www.zurn.com
Rev. T
Date: 05/13/25
C.N. No. 146833
Patent zurn.com/patents
Prod. | Dwg. No. Z100
-EA Adjustable Extension Assembly
2-1/8 [54] thru 3-1/2 [89]

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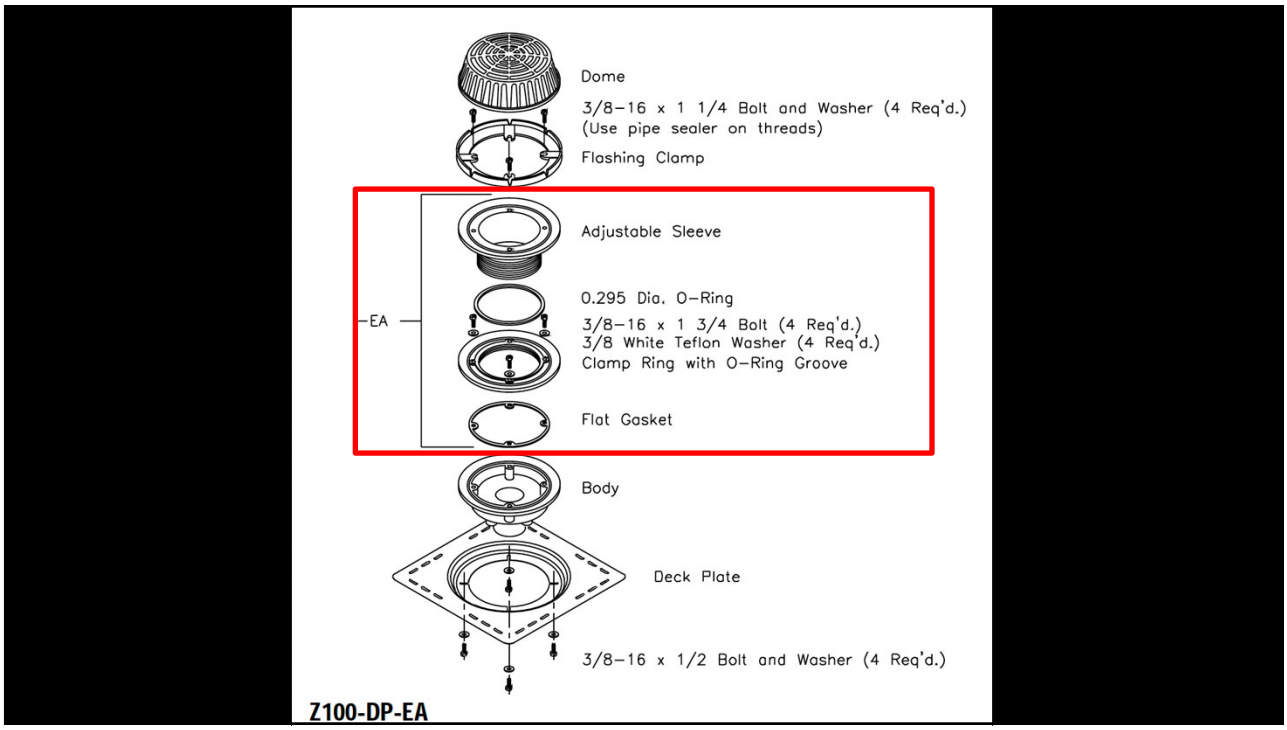
Dome
3/8–16 x 1 1/4 Bolt and Washer (4 Req'd.)
(Use pipe sealer on threads)
Flashing Clamp
Adjustable Sleeve
0.295 Dia. O–Ring
3/8–16 x 1 3/4 Bolt (4 Req'd.)
3/8 White Teflon Washer (4 Req'd.)
Clamp Ring with O–Ring Groove
Flat Gasket
–EA
Body
Deck Plate
3/8–16 x 1/2 Bolt and Washer (4 Req'd.)
Z100-DP-EA

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Membrane discoloration

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Other topics and your questions

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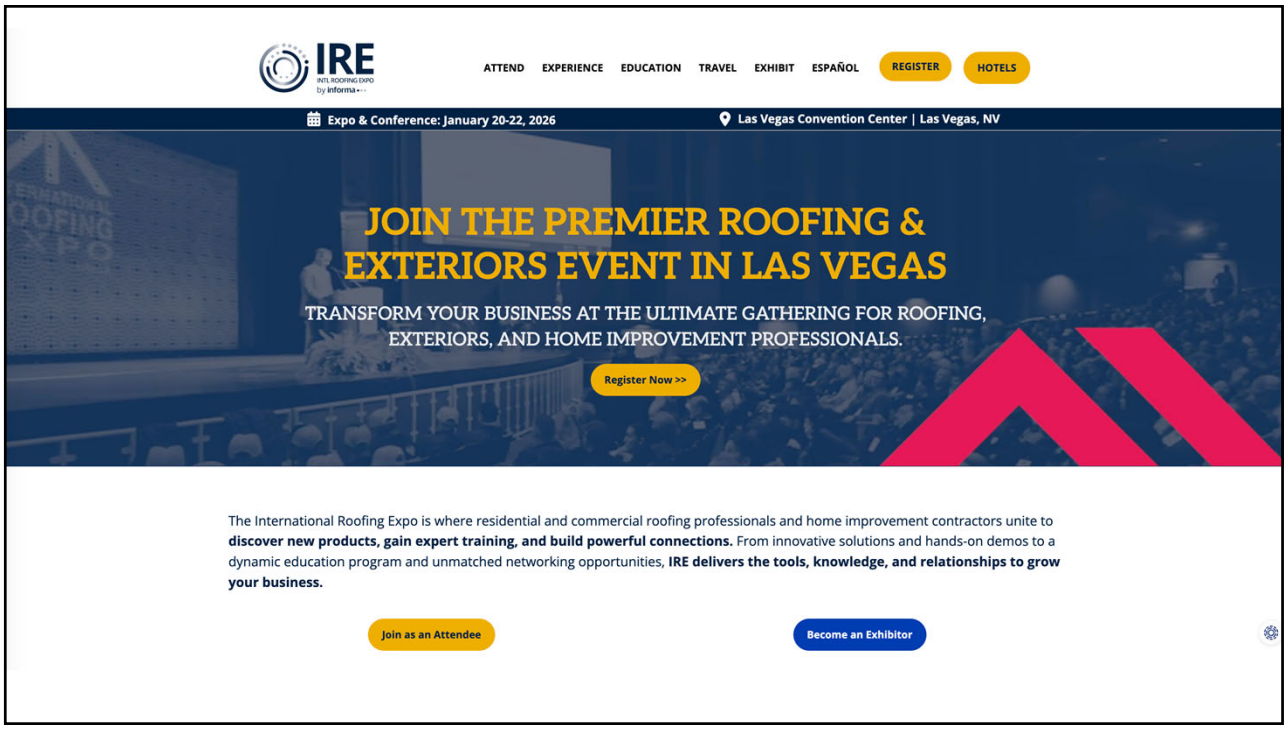

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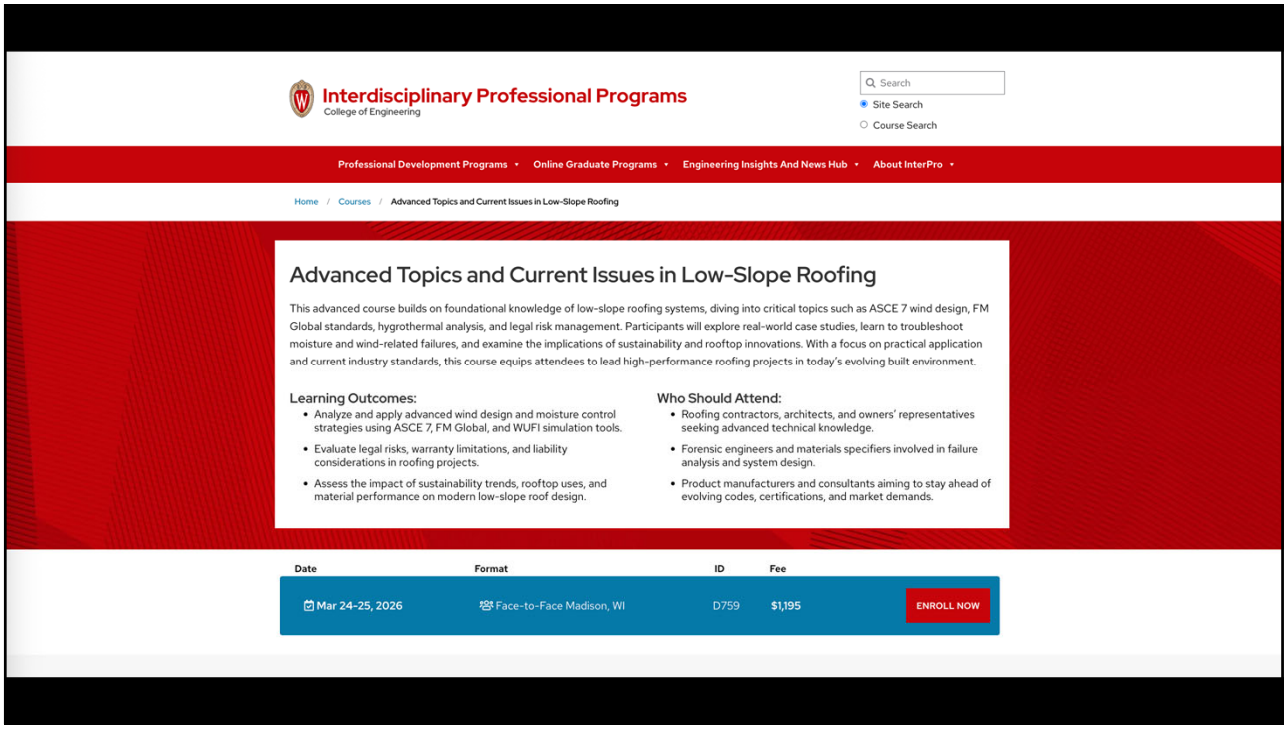

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Questions…

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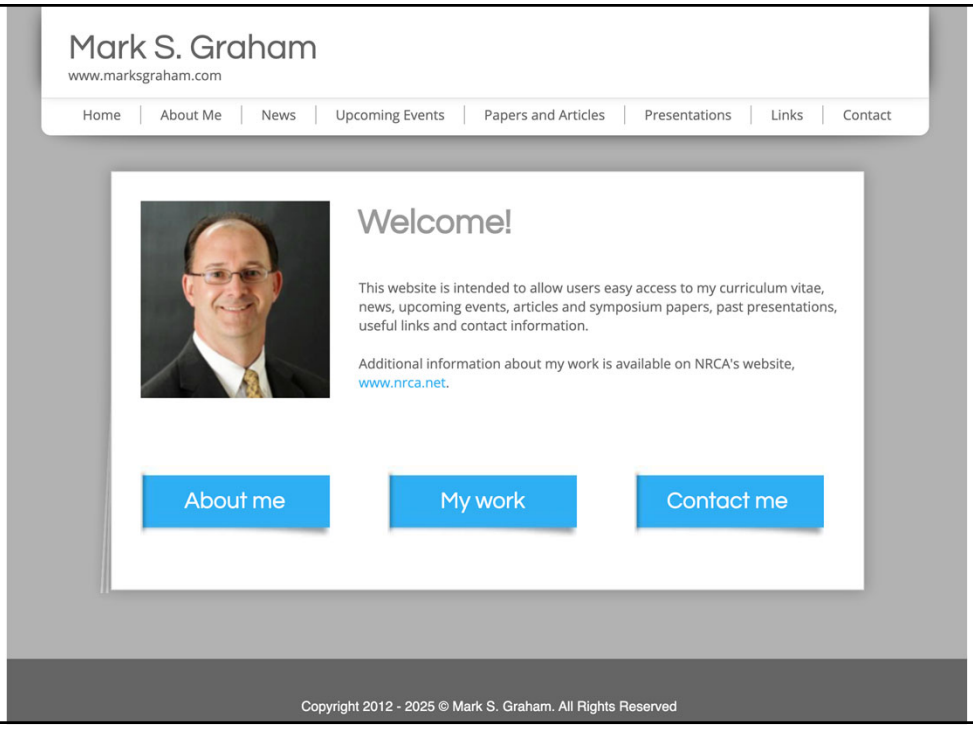

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