

CODE CHANGE PROPOSAL FORM

(Must be submitted electronically)

Author/requestor: Staff

Date: 08/27/2025

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Model Code: 2024 IRC

Telephone number: 651-284-5510

Code or Rule Section: R406.2

Firm/Association affiliation, if any: DLI

Code or rule section to be changed: IRC 406.2 Concrete and masonry foundation waterproofing

Intended for Technical Advisory Group ("TAG"): IRC Chapter 1309

General Information**Yes** **No**

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|--|-------------------------------------|-------------------------------------|
| A. Is the proposed change unique to the State of Minnesota? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| B. Is the proposed change required due to climatic conditions of Minnesota? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| C. Will the proposed change encourage more uniform enforcement? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D. Will the proposed change remedy a problem? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| E. Does the proposal delete a current Minnesota Rule, chapter amendment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| F. Would this proposed change be appropriate through the ICC code development process? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Proposed Language

1. The proposed code change is meant to:

☒ change language contained the model code book? If so, list section(s).
[IRC 406.2](#)☐ change language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).☐ delete language contained in the model code book? If so, list section(s).☒ delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).
[MR1309.406.2](#)☐ add new language that is not found in the model code book or in Minnesota Rule.2. Is this proposed code change required by Minnesota Statute? If so, please provide the citation.
[No](#)

3. Provide *specific* language you would like to see changed. Indicate proposed new words with underlining and ~~strikethrough~~ words proposed for deletion. Include the entire code (sub) section or rule subpart that contains your proposed changes.

R406.2 Concrete and masonry foundation waterproofing. ~~In areas where a high water table or other severe soil-water conditions are known to exist, e~~Exterior foundation walls that retain earth and enclose below grade interior spaces, crawlspaces and floors ~~below grade~~ shall be waterproofed. The waterproofing shall extend from the top interior wall edge, across the top of the wall, and down the exterior wall face to the top of the footing. If a full width, closed-cell material is installed to create a seal between the sill plate and the top of the foundation wall, the installation is deemed to meet the requirements for the top of the wall waterproofing. If the waterproofing system is exposed to the exterior environment, such system shall have a rigid, opaque and weather-resistant protective covering to prevent degradation. The protective covering shall cover the exposed waterproofing and extend a minimum of 6 inches (152 mm) below grade. from the finished grade to the higher of the top of the footing or 6 inches (152 mm) below the top of the basement floor. Walls shall be waterproofed in accordance with one of the following:

1. Two-ply hot-mopped felts.
2. Fifty-five-pound (25 kg) roll roofing.
3. Forty-mil (1 mm) polymer-modified asphalt.
4. Sixty-mil (1.5 mm) flexible polymer cement.
5. One-eighth-inch (3 mm) cement-based, fiber-reinforced, waterproof coating.
6. Sixty-mil (1.5 mm) solvent-free liquid-applied synthetic rubber.

All joints in membrane waterproofing shall be lapped and sealed with an adhesive compatible with the membrane.

Exception: Organic-solvent-based products such as hydrocarbons, chlorinated hydrocarbons, ketones and esters shall not be used for ICF walls with expanded polystyrene form material. Use of plastic roofing cements, acrylic coatings, latex coatings, mortars and pargings to seal ICF walls is permitted. Cold-setting asphalt or hot asphalt shall conform to Type C of ASTM D449. Hot asphalt shall be applied at a temperature of less than 200°F (93°C).

4. Will this proposed code change impact other sections of a model code book or an amendment in Minnesota Rule? If so, please list the affected sections or rule parts.

Need and Reason

1. Why is the proposed code change needed? Please provide a general explanation as well as a specific explanation for any changes to numerical values (heights, area, etc.)

This is an existing Minnesota amendment that needed revisions. The driving language is the same. 2 of the waterproofing ways have been deleted in the model code. Also added language from the residential energy code.

2. Why is the proposed code change a reasonable solution?

This will update the Minnesota amendment to new model code language.

3. What other factors should the TAG consider?

Cost/Benefit Analysis

1. Will the proposed code change increase or decrease costs? Please explain and provide estimates if possible.

None

2. If there is an increased cost, will this cost be offset by a safety or other benefit? Please explain. If the benefit is quantifiable (for example energy savings), provide an estimate if possible.

None

3. If there is a cost increase, who will bear the costs? This can include government units, businesses, and individuals.

None

4. Are there any enforcement or compliance cost increases or decreases with the proposed code change? Please explain.

None

5. Will the cost of complying with the proposed code change in the first year after the rule takes effect exceed \$25,000 for any one small business or small city ([Minn. Stat. § 14.127](#))? A small business is any business that has less than 50 full-time employees. A small city is any statutory or home rule charter city that has less than ten full-time employees. Please explain.

Regulatory Analysis

1. What parties or segments of industry are affected by this proposed code change?

Contractors, building owners, and enforcement individuals

2. Can you think of other means or methods to achieve the purpose of the proposed code change? What might someone opposed to this code change suggest instead? Please explain what the alternatives are and why your proposed change is the preferred method or means to achieve the desired result.
3. What are the probable costs or consequences of not adopting the code change, including those costs or consequences borne by identifiable categories of affected parties, such as separate classes of government units, businesses, or individuals?
4. Are you aware of any federal or state regulation or requirement related to this proposed code change? If so, please list the federal or state regulation or requirement and your assessment of any differences between the proposed code change and the federal regulation or requirement.

***Note: Incomplete forms may be returned to the submitter with instruction to complete the form. Only completed forms can be considered by the TAG.