



**Division of Industry
Services**
1400 East Washington Ave.
Madison, WI 53703

Approval #

201402-I

Wisconsin Building Product Evaluation

Material

Xci 286

Manufacturer

Hunter Panels, LLC
15 Franklin Street
Portland, ME 04101

SCOPE OF EVALUATION

This report evaluates the Xci 286 foam insulation board manufactured by Hunter Panels, LLC for use as nonstructural thermal insulation in wall cavities, roof and ceiling assemblies, on the inside of exterior walls of commercial Type V-B construction, or on one- or 2-family dwellings. The board was evaluated for compliance with the large scale testing requirements of NFPA 286, “Standard Methods for Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth”, in accordance with section **IBC 2603.9** and with section **SPS 321.11 (2)** of the Wisconsin Uniform Dwelling Code.

DESCRIPTION AND USE

Xci 286 foam insulation board consists of maximum 3.5-inch thick closed cell polyisocyanurate foam insulation with glass fiber-reinforced aluminum facers on both sides. The exposed side of the board has a 1.5 mil aluminum reflective surface. The foam plastic core material has a nominal density of 2 lb/ft³.

The thermal barrier, normally required under section **IBC 2603.4** and section **SPS 321.11 (1)**, is not required for board installed per manufacturer’s instructions on either ceilings/horizontal surfaces only or on walls/vertical surfaces only but not both ceilings and walls in the same

installation. The testing performed did not include installation on both walls and ceilings in the same test.

TESTS AND RESULTS

Testing on the Xci 286 foam insulation board was conducted on walls only and on ceilings only in accordance with NFPA 286, “Standard Methods for Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth”. It passed the test both with and without taped joints.

The foam plastic core and the faced board have a flame spread index of 25 or less and a smoke developed rating of 450 or less at a maximum thickness of 3.5 inches when tested in accordance with ASTM E84.

WISCONSIN COMMERCIAL BUILDING CODE COMPLIANCE

The Xci 286 foam insulation board may be used at a maximum thickness of 3.5 inches without the thermal barrier normally required under section **IBC 2603.4** when installed on walls only or on ceilings only. If installed on both walls and ceilings, the foam on at least one surface shall be covered by a thermal barrier.

Unless required by a code section other than **IBC chapter 26**, the board is not required to be protected by an automatic sprinkler system when installed per the manufacturer’s instructions.

When used on interior walls or ceilings with a covering, the covering shall meet the appropriate interior finish requirements of **IBC chapter 8**.

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

WISCONSIN UNIFORM DWELLING CODE (1-2 FAMILY) COMPLIANCE

The Xci 286 foam insulation board may be used at a maximum thickness of 3.5 inches without a thermal barrier normally required under section **SPS 321.11 (1) (b)** when installed on walls only or on ceilings only. If installed on both the wall and the ceiling, the foam on at least one surface shall be covered by a thermal barrier.

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, 2019, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The product approval is applicable to projects approved under the current edition of the applicable codes. This approval may be void for project approvals made under future applicable editions.

Approval Date: 3/14/2014	By: Duane Hubeler, PE Bureau of Technical Services
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