



EVALUATION REPORT

FLORIDA BUILDING CODE, 6TH EDITION (2017)

Manufacturer: Johns Manville Corp.
P.O. Box 5108
Denver, CO 80217
(303) 978-2478

Issued September 24, 2017

Manufacturing location: Belgrade, MT

Quality Assurance: Quality Auditing-Institute Ltd. (QUA7628)

SCOPE

Category: Roofing
Subcategory: Cements-Adhesives-Coatings
Code Sections: 1709.2
Property: Supplemental structural attachment of plywood and OSB roof decks

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	JMC-128-02-01	TAS 202	1994
PRI Construction Materials Technologies (TST5878)	JMC-128-02-02	TAS 203	1994
PRI Construction Materials Technologies (TST5878)	JMC-128-02-03	ASTM D 1622	2014
PRI Construction Materials Technologies (TST5878)	JMC-128-02-03	ASTM D 1623	2017
PRI Construction Materials Technologies (TST5878)	JMC-129-02-01	TAS 202	1994
PRI Construction Materials Technologies (TST5878)	JMC-129-02-02	TAS 203	1994

PRODUCT DESCRIPTION & APPLICATION

Unless otherwise noted, all surfaces shall be clean, dry, and free of oil, grease, rust, scale, mildew or other debris prior to application. Consult manufacturer's application instructions for further detail.

JM Corbond MCSTM

Corbond MCSTM is a closed-cell spray polyurethane foam applied onsite by combining an isocyanurate and polymeric resin through a dual-component proportioner. The product may be applied as supplemental attachment of the plywood or Oriented Strand Board (OSB) roof deck to the wood rafters or the top chord of the wood trusses. The product shall be applied using a minimum 3 in. x 3 in. fillet application to form a continuous bead at the deck to rafter/truss interface. Refer to detailed drawing on following page.

Material requirements

Minimum density: 1.8 lb/ft³
Minimum tensile strength: 17 psi

Performance with Plywood Deck

Maximum Design Pressure: **-145 psf**
Roof Deck: Min. 15/32" APA span rated plywood at max. 24 in. span
Truss/Rafter: No. 2 dimensional lumber (Min. S.G. = 0.40)

Performance with OSB Deck

Maximum Design Pressure: **-192.5 psf**
Roof Deck: Min. 7/16" APA span rated OSB at max. 24 in. span
Truss/Rafter: No. 2 dimensional lumber (Min. S.G. = 0.40)

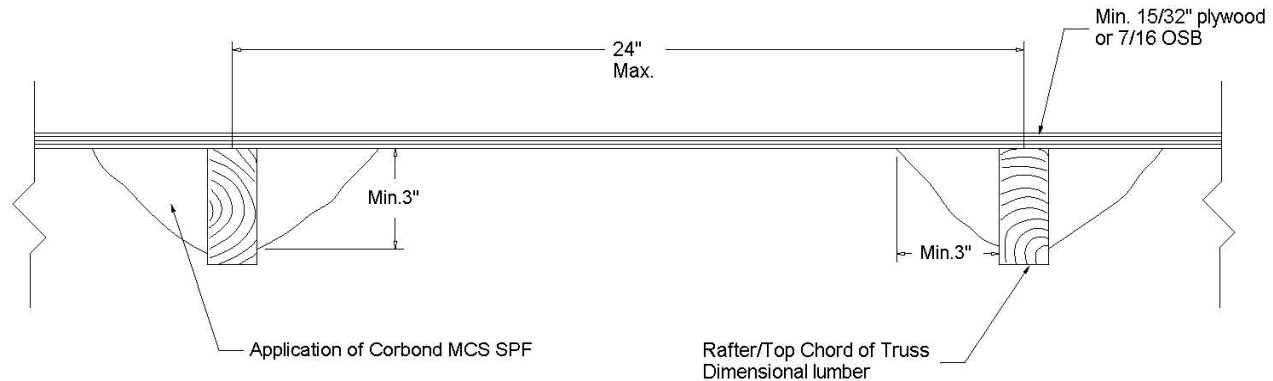


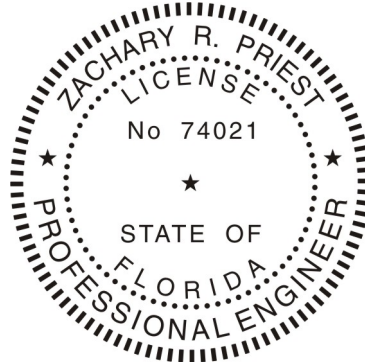
FIGURE 1. Typical Application Detail for Corbond MCS™

LIMITATIONS

1. Fire classification and thermal properties are not within the scope of this evaluation.
2. Applications are valid for new and existing construction. Installation shall be conducted by Johns Manville qualified spray foam applicator.
3. Structural integrity is evaluated only a supplemental anchorage of the roof deck. The roof deck shall be designed and installed by others in accordance with the FBC.
4. Installation of the evaluated products shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
5. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest P.E. have demonstrated compliance with the Florida Building Code, 6th Edition (2017) as evidenced in the referenced documents submitted by the named manufacturer.



Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT