



File R27307
Project 11CA64505

January 24, 2012

REPORT

on

Metal Roof Deck Panels
For
Wind Uplift Resistance

Under The

CLASSIFICATION PROGRAM

COATED METALS GROUP
VERONA, WI 53593

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DESCRIPTION

PRODUCT COVERED:

The products covered by this Report are metal roof deck panels designated "Ultra-Snap 1.75SL", "Ultra-Seam 2MS" or "Ultra-Seam 1.5MS" panels.

The products in this Report are Classified as to uplift resistance, only.

USE:

The products are intended for use as building materials as permitted by authorities having jurisdiction.

TEST RECORD NO. 1

SAMPLE:

Classified metal roof deck panels designated "Ultra-Snap 1.75SL", "Ultra-Seam 2MS" or "Ultra-Seam 1.5MS".

STUDY FOR CLASSIFICATION PURPOSES:

Testing of the metal roof deck panels designated "Ultra-Snap 1.75SL", "Ultra-Seam 2MS" or "Ultra-Seam 1.5MS" for use in Uplift Resistance was not considered necessary based upon previous test experience on similar products as documented internally in Test Reference No. 1.

TEST RECORD 1 SUMMARY:

The results of this investigation indicate that the metal panels evaluated in this test record comply with applicable requirements, and therefore, are judged to be eligible for Classification under the Laboratories product categories of Uplift Resistance (TJPV).

Standard	Title	Edition or Publication Date	Latest Revision Date
UL 580	Tests for Uplift Resistance of Roof Assemblies	Fifth	November 2, 2006

The Classification Mark for the TJPV category (UL 580) to be used on the "Ultra-Snap 1.75SL" panels is illustrated below:

METAL ROOF DECK PANELS
AS TO UPLIFT RESISTANCE
CLASS 90
AS SHOWN BY CONSTRUCTION NO. 343
SEE UL ROOFING MATERIALS AND SYSTEMS DIRECTORY

The Classification Mark for the TJPV category (UL 580) to be used on the "Ultra-Seam 2MS" panels is illustrated below:

METAL ROOF DECK PANELS
AS TO UPLIFT RESISTANCE
CLASS 90
AS SHOWN BY CONSTRUCTION NO. 176
SEE UL ROOFING MATERIALS AND SYSTEMS DIRECTORY

The Classification Mark for the TJPV category (UL 580) to be used on the "Ultra-Seam 1.5MS" panels is illustrated below:

METAL ROOF DECK PANELS
AS TO UPLIFT RESISTANCE
CLASS 90
AS SHOWN BY CONSTRUCTION NO. 554
SEE UL ROOFING MATERIALS AND SYSTEMS DIRECTORY

Test Record 1 by:



JUDITH G. MARZULLO
Lead Engineering Associate
Fire Protection Division

Reviewed by:



KENNETH RHODES
Senior Staff Engineer
Fire Protection Division

TEST RECORD NO. 2

SAMPLE:

Classified metal roof deck panels designated panel.

STUDY FOR CLASSIFICATION PURPOSES:

Testing of the metal roof deck panels designated "Ultra-Snap SL", in accordance with UL 790 and UL 2218 was not considered necessary based upon previous test experience on similar products as documented internally in Test Reference No. 1.

TEST RECORD 1 SUMMARY:

The results of this investigation indicate that the metal panels evaluated in this test record comply with applicable requirements, and therefore, are judged to be eligible for Classification under the Laboratories product categories of Impact Resistance (TGAM) and Roofing Systems (TGFU).

Standard	Title	Edition or Publication Date	Latest Revision Date
UL 790	Standard Test Method for Fire Tests of Roof Coverings	Eight	October 7, 2008
UL 2218	Standard for Impact Resistance of Prepared Roof Covering Materials	Second	January 25, 2010

The Classification Marking to be used on the metal roof deck panels is illustrated below:

BUILDING UNITS
FOR ROOFING SYSTEMS
AS TO AN EXTERNAL FIRE EXPOSURE

The following Classification Marking for TGAM is optional:

ALSO CLASSIFIED AS TO IMPACT RESISTANCE, CLASS 4

OTHER SYSTEMS

Formed steel panels, designated "Ultra-Snap SL".

Class A

1. Deck: C-15/32 or spaced sheathing Incline: Impact: Class 4
Unlimited
Underlayment: - One layer "VersaShield Underlayment", mechanically fastened.
Ply Sheet: - One layer Type 30 base sheet or "VersaShield", mechanically fastened.
Shingles or Panels: - "Ultra-Snap 1.75SL".
2. Deck: C-15/32 or spaced sheathing Incline: Impact: Class 4
Unlimited
Insulation: - Rmax "Ultramax" 1 in. min, mechanically fastened.
Panels: - "Ultra-Snap 1.75SL".
3. Deck: C-15/32 or spaced sheathing Incline: Impact: Class 4
Unlimited
Underlayment: - One or more plies "VersaShield Underlayment", mechanically fastened.
Panels: - "Ultra-Snap 1.75SL".
4. Deck: C-15/32 or spaced sheathing Incline: Impact: Class 4
Unlimited
Underlayment: - One layer "VersaShield Underlayment", mechanically fastened.
Ply Sheet: - One layer Type 30 base sheet or "VersaShield", mechanically fastened.
Shingles or Panels: - "Ultra-Snap 1.75SL".
5. Deck: C-15/32 or spaced sheathing Incline: Impact: Class 4
Unlimited
Insulation: - Rmax "Ultramax" 1 in. min, mechanically fastened.
Panels: - "Ultra-Snap 1.75SL".
6. Deck: C-15/32 or spaced sheathing Incline: Impact: Class 4
Unlimited
Underlayment: - One or more plies "VersaShield Underlayment", mechanically fastened.
Panels: - "Ultra-Snap 1.75SL".
- One or more layers of Elk Corp. "VersaShield Underlayment," mechanically fastened, may be used in lieu of the Barrier Board in all combustible Classifications.

7. Deck: C-15/32 Incline: Unlimited Impact: Class 4
Barrier Board: - 1/4 in. min. Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", CertainTeed Gypsum GlasRoc or USG "SECUROCK®" Glass Mat Board with all joints staggered a min of 6 in. from the deck joints.
Ply Sheet (Optional): - Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".
Surfacing: - "Ultra-Snap 1.75SL".
8. Deck: NC Incline: Unlimited Impact: Class 4
Barrier Board: - 1/4 in. min. Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", CertainTeed Gypsum GlasRoc or USG "SECUROCK®" Glass Mat Board.
Ply Sheet (Optional): - Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".
Surfacing: - "Ultra-Snap 1.75SL".
9. Deck: NC Incline: Unlimited Impact: Class 4
Barrier Board: - 7/16 OBS or 5/8 in. plywood over polyisocyanurate insulation board or polyisocyanurate composite board, any thickness.
Ply Sheet (Optional): - Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".
Surfacing: - "Ultra-Snap 1.75SL".
10. Deck: NC Incline: Unlimited Impact: Class 4
Insulation: - Polyisocyanurate, glass fiber, perlite or wood fiber, any thickness.
Ply Sheet (Optional): - Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".
Surfacing: - "Ultra-Snap 1.75SL".
11. Deck: NC Incline: Unlimited Impact: Class 4
Insulation (Optional): - Any UL Classified insulations may be used over open purlin spans. Any combination and any total thickness of insulation may be used.
Surfacing: - "Ultra-Snap 1.75SL".
12. Deck: C-15/32 Incline: Unlimited Impact: Class 4
Barrier Board: - 1/4 in. min. Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", CertainTeed Gypsum GlasRoc or USG "SECUROCK®" Glass Mat Board with all joints staggered a min of 6 in. from the deck joints.
Ply Sheet (Optional): - Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".
Surfacing: - "Ultra-Snap 1.75SL".

Class C

1. Deck: C-15/32 Incline: Unlimited Impact: Class 4
 Surfacing: - "Ultra-Snap 1.75SL".
2. Deck: C-15/32 Incline: Unlimited Impact: Class 4
 Underlayment: - Any UL Classified base/ply sheet.
 Surfacing: "Ultra-Snap 1.75SL".

Test Record 1 by:

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Reviewed by:

Alpesh Patel
Staff Engineer
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CONCLUSION:

Samples of the products covered by this Report have been found to comply with the requirements covering the category and the products are found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the samples investigated by UL and does not signify the products described as being covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the UL Classification Mark on such products which comply with UL's Follow-Up Service Procedure and any other application requirements of Underwriters Laboratories Inc. The Classification Mark of Underwriters Laboratories Inc. on the product, or the UL symbol on the product and the Classification Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Classification and Follow-Up Service.

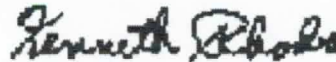
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