



TGFU.R9288

Roofing Systems

See General Information for Roofing Systems

FABRAL INC
EURAMAX CO

R9288

PO BOX 4608
LANCASTER, PA 17604 USA

OTHER SYSTEMS

Class A

Coated steel and aluminum panels identified as "AT Panel", "Grandrib 3", "Grandrib 3 PLUS", "1-1/2 in. SSR", "AVALON", "Slim Seam", "Stand N'Seam", "Mighti-Rib", "Ultra-Rib", "V-Crimp", "Hefti-Rib", "Grand Beam" and "2-1/2 in. Corrugated".

1 Deck: NC **Incline:** Unlimited **Impact:** 4

Insulation (Optional): — Polyisocyanurate/composite, 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 W.R. Grace "Ice and Water Shield".

Surfacing: — Steel or aluminum roofing panels, mechanically fastened.

2. Deck: C-15/32 **Incline:** Unlimited **Impact:** 4

Barrier Board: — 1/4 in. min G-P Gypsum Dens-Deck® or 1/2 in. min UL Classified gypsum board with all joints staggered a min of 6 in. from the plywood joints .

Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory or W.R. Grace "Ice and Water Shield".

Surfacing: — Steel or aluminum roofing panels, mechanically fastened.

3. Deck: NC **Incline:** Unlimited **Impact:** 4

Insulation (Optional): — Polyisocyanurate board or polyisocyanurate composite board, any thickness.

Barrier Board (Optional): — 7/16 OSB or 5/8 in. plywood.

Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30

felt or UL Classified prepared roofing accessory or W.R. Grace "Ice and Water Shield".

Surfacing: — Steel or aluminum roofing panels, mechanically fastened.

Last Updated on 2002-

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TGAM.R9288

Roof Covering Materials, Impact Resistance

See General Information for Roof Covering Materials, Impact Resistance

FABRAL INC

R9288

EURAMAX CO

PO BOX 4608

LANCASTER, PA 17604 USA

Class 4 formed steel and aluminum panels designated AT Panel, AVALON, Grand Beam, Grandrib 3, Grandrib 3 Plus, 1-1/2 in. SSR, Hefti-Rib, Nighti-Rib, Slim Seam, 2-1/2 in. Corrugated, Stand N'Seam, Ultra-Rib, V-Crimp.

Last Updated on 2002-05-23

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Northbrook, Illinois 60062
United States Country Code
847 272 2020
FAX 847 272 2020



May 21, 1999

FABRAL
Mr. Scott Sipple
P.O. Box 4608
Lancaster, PA 17601



Our Reference: R9288, 99NK15133

Dear Mr. Sipple:

This is in regard to our Project 99NK15133, which was established to Classify various metal roofing panels for impact resistance in accordance with UL 2218. Classification was also established in accordance with UL 790.

I have enclosed a document which shows what your Classification Card will look like when the revision process is completed.

Should you have any questions, please feel free to contact the writer.

Very truly yours,

ROBERT KEOGH
Engineer
Engineering Services
Dept. 3011ENBK

Reviewed by:

R.K. LAYMON
Engineering Group Leader
Engineering Services
Dept. 3011ENBK

FABRAL
LANCASTER PA17601

OTHER SYSTEMS

Class A

Coated steel and aluminum panels identified as "AT Panel", "Grandrib 3", "Grandrib 3 PLUS", "1-1/2" SSR", "AVALON", "Slim Seam", "Stand N' Seam", "Mighti-Rib", "Ultra-Rib", "V-Crimp", "Hefti-Rib", "Grand Beam" and 2-1/2" Corrugated".

1. Deck: NC Incline: Unlimited Impact: 4
 Insulation (Optional): Polyisocyanurate/composite, 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 W.R. Grace "Ice and Water Shield".
 Surfacing: Steel or aluminum roofing panels, mechanically fastened.

2. Deck: C-15/32 Incline: Unlimited Impact: 4
 Barrier Board: Georgia Pacific 1/4 in. min "Dens-Dek" overlayment board or 1/2 in. min UL Classified gypsum board with all joints staggered a min. of 6 in. from the plywood 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 W.R. Grace "Ice and Water Shield".
 Surfacing: Steel or aluminum roofing panels, mechanically fastened.

3. Deck: NC Incline: Unlimited Impact: 4
 Insulation (Optional): Polyisocyanurate/composite, polyisocyanurate, glass fiber, perlite or wood fiber, any thickness.
 Barrier Board (Optional): 7/16 OSB or 5/8 in. plywood.
 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 W.R. Grace "Ice and Water Shield".
 Surfacing: Steel or aluminum roofing panels, mechanically fastened.

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FABRAL
MR D KEENER
3449 HEMPLAND RD
LANCASTER PA 17601

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your project.

For information on placing an order for UL Listing Cards in a 3 x 5 inch format, please refer to the enclosed ordering information.

TGFU
Roofing Systems

August 27, 1999

FABRAL
3449 HEMPLAND RD, LANCASTER PA 17601

R9288

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LOOK FOR CLASSIFICATION MARKING ON PRODUCT