

BUILDING PRODUCTS LISTING PROGRAM

Customer: Kreysler & Associates
Class: Fiberglass Reinforced Polymer Panels
Location: 501 Green Island Rd., American Canyon, CA 94503
Website: www.kreysler.com

Listing No. B1033-1
Report No. B1033-1, Edition 6

Effective Date: August 30, 2011
Last Revised Date: August 3, 2018
Expires: <N/A>

Standards: ASTM E84 – “Standard Test Method for Surface Burning Characteristics of Building Materials”

NFPA 285 – “Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies Containing Combustible Components”

NFPA 268 – “Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source”

NFPA 259 – “Standard Test Method for Potential Heat of Building Materials”

NFPA 286 – “Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth”

Product: Fire resistant composite panels for interior and exterior architectural applications, constructed from fiberglass, various core types and fire retardant resin.

Markings: Products are marked in a permanent manner where it is readily visible after installation with the following:

- a) Company Name
- b) Product Name
- c) Month and year of manufacture
- d) QAI Logo with “us” identifier
- e) QAI file Number: B1033-1
- f) ASTM E84: Class A (Where applicable)
- g) NFPA 285 (For KreyslerFire 285 product only)
- h) NFPA 286 (For KreyslerFire 286 product only)
- i) NFPA 268 (For KreyslerFire 285 and B13 products only)
- j) QAI logo shown here:



Models / Ratings: **ASTM E84-Product Designations**

Product Name	Flame Spread Index (FSI)	Smoke Developed Index (SDI)	Ratings	Thickness Range
KreyslerFire 285	<25	<450	Class A	1/8-inch to 3/8-inch
KreyslerFire A2	<25	<450	Class A	1/4-inch to 3/4-inch
KreyslerFire B1	<25	<450	Class A	1/4-inch to 3/4-inch
KreyslerFire B11	<25	<450	Class A	1/4-inch to 3/4-inch
KreyslerFire B12	<25	<450	Class A	1/4-inch to 2-inch
KreyslerFire B13	<25	<450	Class A	1/8-inch to 3/8-inch
KreyslerFire B14	<25	<450	Class A	1/8-inch to 2.5-inch

**NFPA 285 Assembly Information – Non-load Bearing Exterior Wall
Assembly, Types I-IV Construction**

No.	Component	Description
1	Interior Wallboard	Minimum 5/8-inch Type “X” gypsum wallboard complying with ASTM C1396 and listed by an approved agency. Gypsum joints to be finished with 2-in. tape and treated with joint compound compliant to ASTM C475. Wallboard is to be fastened to studs in accordance with the applicable code.
2	Studs	Maximum 20-ga, 3 5/8-inch C-channel steel studs spaced at a maximum of 16” on center (OC).
3	Insulation (Optional)	Any thickness mineral wool may be used in the wall cavity or unfaced fiberglass batt.
4	Fire Blocking	Minimum 5-inch mineral wool shall be installed between mullion support structure gaps.
5	Cladding Support Structure	Horizontal and vertical aluminum mullions shall be anchored to code complying wall structure to resist intended service loads. Aluminum mullion anchorage to be reviewed and approved by the authority having jurisdiction.
6	Exterior Sheathing (Optional)	Minimum 5/8-inch Type X exterior gypsum wallboard complying with ASTM C1177 and listed by an approved agency. Sheathing is to be applied horizontally and fastened with 1 ¼-inch length #6 Type S screws spaced at 8 inches OC around the perimeter and 12 inches OC in the field. Joints of the exterior gypsum are to be staggered from the interior gypsum by minimum 1 stud cavity.
7	Exterior Cladding	KreyslerFire 285 fire resistant composite panels with a nominal thickness of 0.18-inches. KreyslerFire 285 panels had 1/4-inch aluminum blades for connection to the main aluminum support structure. Cladding connection to aluminum mullions is to be designed to resist expected service loads. Cladding anchorage to be reviewed and approved by the authority having jurisdiction.
8	Window Treatment	20-ga galvanized steel flashing shall be used on the interior surface of the window opening.

NFPA 259 Product Designations

Product Name	Potential Heat of Combustion (Btu/lb)
KreyslerFire B13	3,357

NFPA 268 Product Designations

Product Name	Compliance with NFPA 268
KreyslerFire B13	Complies
KreyslerFire 285	Complies

The above KreyslerFire panels have been evaluated and found compliant with Section 1406.2.1.1 of the IBC.

NFPA 286 Product Designations

Product Name	Compliance with Annex C of NFPA 286
KreyslerFire 286	Complies

The above KreyslerFire 286 panel has been evaluated and found compliant with Section 2613.3 (or Section 2612.3 on some code editions) and complies with Section 803.1.2 of the IBC.

Notes: The product was tested in the flat configuration.

Installation of this product must comply with local building codes and is subject to inspection by the authority having jurisdiction.

The ASTM E84, NFPA 285, NFPA 259, NFPA 268 and NFPA 286 standards do not address all possible end use concerns. It is the responsibility of the end user of the product to determine the suitability of the product for the intended application.

Listed manufacturers are subject to on-going inspections by QAI to ensure that the products outlined above remains as it is listed.

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