

BUILDING PRODUCTS LISTING PROGRAM

Class: Exterior Cladding

Customer: Kovach Building Enclosures Incorporated
Location: 3195 West Armstrong Place, Chandler, AZ 85286
Website: <http://www.kovach.net>

Product(s): Kovabond 6 mm Fire Retardant Aluminum Composite Panels

Listing No. B1062-1
Effective Date: March 17, 2014
Last Revised: **No Revisions to Date**
Expires: N/A

Label: **Product is marked by Kovach Building Enclosures Inc. with the following information: Kovabond 6 mm Fire Retardant Aluminum Composite Panels Trade Name, QAI Logo with the 'US' identifier, and date of manufacture. Labels are applied to finished panels supplied to the job site.**

Standard: **NFPA 285** - "Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies Containing Combustible Components".
ASTM E119 – "Standard Test Methods for Fire Tests of Building Construction and Materials".

Ratings: The following outlines the assemblies and ratings of Kovach Kovabond 6 mm Fire Retardant Aluminum Composite Panels certified:

NFPA 285: Meets Requirements.(QAI Design Listing B1062-1 Kovabond285).

ASTM E119 : 1-Hour Non-Load Bearing Fire Resistance Rating (See QAI Design Listing B1062-1 Kovabond119-1)

QAI Design B1062-1 Kovabond285**NFPA 285 – Non-load Bearing Exterior Wall Assembly, Types I-IV Construction****(See pdf attachment)**

COMPONENT	DESCRIPTION
Interior Sheathing	5/8 inch thickness Type X gypsum wallboard complying with ASTM C1396 taped and mudded. Sheathing is to be fastened to studs in accordance with the applicable code.
Studs	Minimum 3-5/8 inch depth steel studs, designed and installed in accordance with local authorities having jurisdiction for the intended end use applications. Requires minimum 4 inch thick, 4 lbs/ft ³ density mineral wool friction fit and held with Z-clips at floor line as fire blocking.
Insulation (Optional)	Non-combustible insulation permitted.
Steel-Deck	1-1/2 inch depth steel fluted B-Deck, oriented horizontally or vertically. B-Deck secured with #12 – 14 × 1-in. hex head fasteners at alternating low flute points where studs were crossed, or installed as required to meet the required service loads where approved by authorities having jurisdictions or a registered design professional.
Continuous Insulation	Maximum 2 inch thick, HP-13 H-Shield-CG polyisocyanurate insulation by Hunter Panels. Continuous insulation is to be secured with eight #10 × 4-1/2 inch bugle head sharp point fasteners with a 3 inch. diameter metal insulation plate per insulation sheet. The fasteners are to be anchored to the Steel Deck noted above.
Weather Resistive Barrier	Single layer of peel and stick WrapShield SA® weather barrier, manufactured by VaproShield®.
Vertical Extrusions	Kovach manufactured aluminum hat channel spaced at maximum 32-1/2 inches on center, mechanically secured to the underlying Steel-Deck with #14-14 x4-1/2 inch fasteners spaced 24 inches on center vertically.
Exterior Cladding	Kovabond 6 mm Fire Retardant Aluminum Composite Panels. These panels are installed with KCP system #12-16x1 inch Torx head stainless steel fasteners, spaced 13-1/2 inches on center at minimum 1-14 inch from panel edge, anchored to the vertical extrusions noted.

QAI Design Listing B1062-1 Kovabond119-1

(See pdf Attachment)

COMPONENT	DESCRIPTION
Interior Sheathing	Single layer of 5/8 inch thickness Type X gypsum wallboard complying with ASTM C1396 Sheathing is to be fastened to studs with 1-1/4 inch length #6 Type S screws spaced at 8 inches on center around the perimeter, and 12 inch on center spacing in the field. Joints to be taped and mudded, and fastener heads.
Studs	Minimum 18 gauge, 3-5/8 inch depth steel studs spaced at maximum 24 inches on center spacing.
Insulation	Minimum 3 inches thickness, 2.5 lbs/ft ³ density mineral wool insulation.
Exterior Sheathing	Single layer of 5/8 inch thickness DensGlass Gold exterior gypsum sheathing applied horizontally, and fastened with 1-1/4 inch length #6 Type S screws spaced at 8 inches on center around the perimeter, and 12 inch on center spacing in the field. Joints of the exterior gypsum are to be staggered from the interior gypsum by minimum 1 stud cavity.
Vertical Extrusions	Kovach manufactured aluminum hat channel spaced at maximum 30-1/8 inches on center, mechanically secured to the underlying exterior gypsum with #12-14 x1-1/2 inch fasteners spaced 24 inches on center vertically.
Exterior Cladding	Kovabond 6 mm Fire Retardant Aluminum Composite Panels. These panels are installed with CPS system #12-16x1 inch Torx head stainless steel fasteners, spaced 20 inches on center at minimum 1-14 inch from panel edge, anchored to the vertical extrusions noted.

NOTE: Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.
