QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

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BUILDING PRODUCT LISTING PROGRAM

Customer: Duowei Union Group Col, Ltd.
Class: Insulated Metal Wall Panels
Location: Tiajin, China
Website: https://www.duo-wei.cn/product/rock-glass-wool-sandwich-wall-panel-system/

Listing No. B1126-1
Project No. B1126-1 Edition 1

Effective Date: August 31, 2021
Last Revised Date: N/A

Standards:

CAN/ULC S102	"Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies."
CAN/ULC S126	"Standard Method of Test for Fire Spread Under Roof Deck Assemblies."
CAN/ULC S101	"Standard Methods of Fire Endurance Tests of Building Construction and Materials".
CAN/ULC S114	"Standard Method of Test for Determination of Non-Combustibility in Building Materials."

Product: Duowei Rock & Glass Wool Sandwich Wall Panel Systems from 75 mm – 150 mm (3 inches – 5 inches) Thickness.

Markings: Each panel is marked with a permanent label containing the following information:

a) Manufacturer's name or recognized trademark
b) Product name
c) Date of manufacture
d) QAI file number: B1126
e) CAN/ULC-S102 Flame Spread Index and Smoke Developed Index (FSI = 0 / SDI = 0)
f) CAN/ULC S114 Non-Combustible
g) QAI logo shown here:

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Models / Ratings:

The following outlines Duowei Rock & Glass Wool Sandwich Wall Panel System performance determined in accordance with the noted standards. The ratings outlined in the tables below are achieved in assemblies that are defined in the QAI Design Listings.

Duowei Insulated Metal Panels Surface Burning Characteristics per CAN/ULC S102:

Model(s)	Flame Spread Index Max.	Smoke Developed Index Max.	Thickness Maximum
Mineral Wool Core	≤ 25	≤ 50	75 – 150 mm 3 – 6 inches

Duowei Insulated Metal Panels results of evaluated to CAN/ULC S126:

Model(s)	Results	Thickness Max.
Mineral Wool Core	Complies	75 – 150 mm 3 – 6 inches

Duowei Insulated Metal Panels results of evaluated to CAN/ULC S114:

Model(s)	Results	Thickness Max.
Mineral Wool Core	Non-Combustible	75 – 150 mm 3 – 6 inches

Duowei Insulated Metal Panels per CAN/ULC-S101 Non-Loadbearing Walls and Partitions

QAI Design #	Model:	Fire Resistance Rating:
B1126-1a[1]	Min. 100 mm (4 Inch) Mineral Wool Core Panels over steel studs, with 13 mm (1/2'') exterior Type X gypsum sheathing and interior 16 mm (5/8'') Type X gypsum wall board.	1-Hour

Note 1: See design listing B1126-1a for installation details.

Duowei Insulated Metal Panels building envelope ratings determined with ASTM E283 and ASTM E331:

QAI Design #	Thicknesses	Air Leakage ASTM E283 L/s*m^2		Water Penetration ASTM E331	
		@ 75 Pa	@ 300 Pa	@ 300 Pa	@ 720 Pa
B1126-1a[1]	75 – 150 mm 3 – 6 inches	< 0.02	< 0.02	No Leaks	No Leaks

Note 1: See design listing B1126-1a for installation details.

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Notes: Products must be installed with the manufacturer's published installation instructions and in accordance with the building codes recognized by the authority having jurisdiction.

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

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warranty is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.

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