

INSULATED Panels

RFW-1HR SERIES

Fire Rated Wall System

FOR AN EXTERIOR WALL SYSTEM WHERE FIRE RATING IS ESSENTIAL

Standard rib configuration is minor rib on both exterior and interior facings. This profile provides a clean, flat appearance that is easily washable.

RFW-1HR is also available with striated, Azteco® and StuccoPlus exterior profiles.

DESIGN FEATURES:

- Tested and approved in accordance with ASTM E119-98, "standard Test Method for Fire Tests of Building Construction and Materials".
- Core material is non-toxic, does not release gases in a fire and has a smoke developed rating of zero. It is also water repellent, free of (H)CFCs and recyclable.
- Unique lamella style orientation of the core provides superior strengths and spanning capability.
- Double S-Lock joint provides maximum protection against air and water infiltration.
- Combines thermal performance of insulated sandwich panels with proven European firewall technology.



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PRODUCT DESCRIPTION

RFW-1HR Series Panels are used in all applications requiring a one hour fire rating. They can be used for exterior walls or interior partitions.

SPECIFICATIONS

Panel Thickness: 4"

R-value: 15

Panel Width: 44-5/8" (1,133mm)

Panel Length: Minimum 8'0"; Maximum 26' 0"

Insulation Material: Laminated lamella style rockwool core with an 8# nominal density.

Joint Configuration: Interlocking Double S-Lok (parallel joint configuration only).

Accessories: Flashings, sealants, fasteners and painted aluminum extrusions are available.

Panel Exterior: Standard is 26 ga. Stucco embossed G-90 galvanized steel. Also available in 24 and 22 gauge facings where extra durability is required. Standard finish is PPG Durafin 2000 high performance coating system. PPG Duranar® PVDF Durafin is a popular choice where extra protection against chalk and fade is desired.

Panel Interior: Standard is 26 gauge white stucco embossed G-90 galvanized steel. Also available in 24 and 22 gauge facings where extra durability is required. Standard finish is PPG Durafin 2000, US accepted and suited for most down environments, PPG Duranar PVDF can also be used.

Customer Options: Choose from six in stock Duranar colors or select a custom color to match your needs. For interior heavy wash down environments, plasticol (PVC) coatings are well as stainless facings are available.

CORPORATE HEADQUARTERS

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IPS-RFW-1HR:1/12/11

PERFORMANCE TESTING

Structural Tests: Structural designs shall have been derived using recognized engineering calculations based upon witnessed tests of the physical priorities of the panels including ASTM @-72. A deflection limit of L/180 shall apply to positive load only.

Thermal Transmission – When tested per ASTM C-236, 4" panels should provide a maximum R Value of 15 at 75° F mean temperature.

Air Infiltration – When tested per ASTM E-283-73 at a pressure differential of 6.24 psf, air filtration should not exceed .06 cfm per sq. ft. of wall area.

Water Penetration – When tested per ASTM E-331-70 at a pressure differential of 6.24 psf there should be no uncontrolled water penetration through the panel joints.

Fire Tests - Panels should be acceptable to building code and insurance authorities for use when non-load bearing wall construction is permitted. Composite panel shall have been tested by a recognized independent laboratory as a one hour wall assembly per ASTM E-119 (UBC 71).

WARRANTY

All products are warranted to be free from defects in material and workmanship for a period of one year from the date of shipment in accordance with the terms and conditions in our "Limited Warranty". The coverage period of the "Limited Warranty" may be extended by Rigid Global Buildings at time of issue.



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