

7.2 INSUL-RIB™

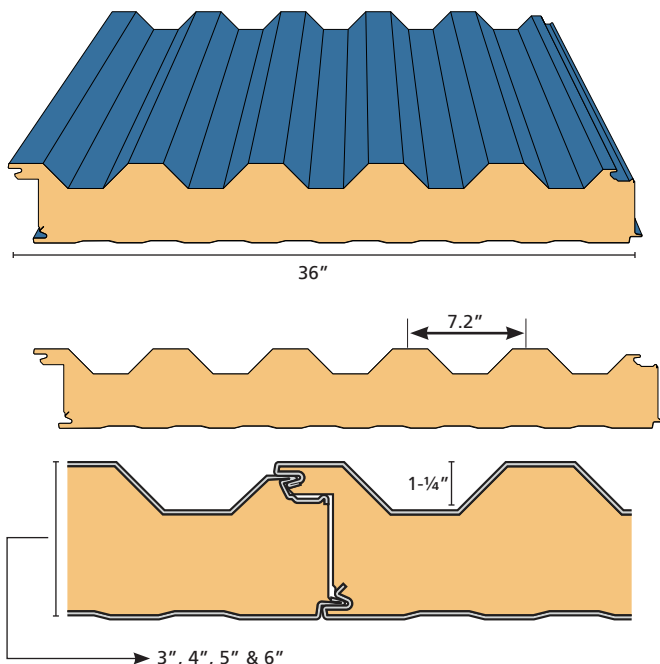


The **7.2 Insul-Rib™** insulated metal wall panel combines a traditional 7.2 rib panel design with a polyurethane foam core. This widely used profile is available as an insulated panel in various thicknesses.

The 7.2 Insul-Rib™ panel has a standard FM Approved Class 1 foam core and offers excellent insulating values. The metal and foam composite construction creates a rigid panel far stronger than the individual parts. This increases the span capability of the panel and reduces the need for secondary structural components.

FEATURES AND BENEFITS

- Panels are lightweight and quick to install, significantly reducing construction time.
- A double tongue-and-groove offset side joint permits concealed fastening.
- Consistent insulating values are achieved with built-in thermal breaks, saving energy.



USES AND APPLICATIONS

In new and retrofit construction, 7.2 Insul-Rib™ wall panels are ideally suited for:

ARCHITECTURAL

- Airport Terminal Buildings
- Arenas
- Convention Centers
- Hospitals
- Low and Mid-Rise Offices
- Performing Arts Centers
- Schools & Universities
- Worship Facilities

COMMERCIAL & INDUSTRIAL

- Distribution Centers
- Equipment Maintenance Buildings
- Hangars
- Manufacturing Facilities
- Retail Buildings
- Self-Storage Complexes
- Utility Buildings
- Warehouses
- Utility Buildings

Note: Not intended for exterior walls on cold storage buildings.

7.2 INSUL-RIB™

| MATERIAL SPECIFICATIONS | | | |
|--|---|----------|----------|
| EXTERIOR PROFILE | 7.2" on-center rib pattern, 1-1/2" deep. | | |
| INTERIOR PROFILE | Mesa nominal 1/8" deep; Light Mesa nominal 1/16" deep | | |
| FOAM CORE | Foamed-in-place, Non-CFC & zero ODP polyurethane, Factory Mutual Class 1 approval. | | |
| THERMAL VALUE | R VALUE WITH AIR FILM | | 73° MEAN |
| | | 3" PANEL | 12.17 |
| | | 4" PANEL | 18.49 |
| | | 5" PANEL | 25.15 |
| | | 6" PANEL | 31.74 |
| | 1. R-Values include the air films on each side of the panel. 2. 73° Mean based on ASTM C1363 Thermal Testing. | | |
| MODULE WIDTH | 36" | | |
| PANEL THICKNESS | 3", 4", 5" 6" (Includes rib height) | | |
| PANEL LENGTHS | Standard 8'-0" to 40'-0" | | |
| EXTERIOR FACINGS | Stucco embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 26 Ga. 24 Ga. and 22 Ga. | | |
| INTERIOR FACINGS | Stucco embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 26 Ga., 24 Ga. and 22 Ga. | | |
| EXTERIOR FINISHES & COLORS | Siliconized Polyester, Fluoropon® Full-Strength 70% PVDF Fluoropolymer Coating. Note: Prices may vary by color, gauge and quantity of metal. | | |
| INTERIOR FINISHES & COLORS | USDA-compliant Polyester, Igloo White. USDA-compliant PVC Plastisol White | | |
| PANEL JOINT | Offset double tongue-and-groove with extended metal shelf for positive face fastening. | | |
| FASTENING | Fastener & Clip concealed in the side joint. | | |
| FM Approved Class 1 with no height restrictions. | | | |

| TESTS AND CERTIFICATIONS | | | |
|--------------------------|---------------------------|---------------------------|--|
| | | Standard | Standard / Test Description |
| US Certifications | Fire Performance | FM Approval Standard 4880 | Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels |
| | | NFPA 259 | Test Method for Potential Heat of Building Materials |
| | | NFPA 285 | Evaluation of Fire Propagation Characteristics of Exterior Non- Load-Bearing Wall Assemblies |
| | | NFPA 286 | Fire Tests for Evaluating Contribution of Wall and Ceiling Finish to Roof Fire Growth |
| | | ASTM E84 | Surface Burning Characteristics of Building Material |
| | Structural Performance | FM Approval Standard 4881 | Class 1 Exterior Wall Structural Performance |
| | | ASTM E72 | Strength Tests of Panels for Building Construction |
| | | ASTM E330 | Structural Performance of Exterior Curtain Walls by Uniform Static Air Pressure Differences |
| | Vapor Barrier Performance | ASTM E283 | Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences |
| | | ASTM E331 | Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences |
| | Thermal Performance | ASTM C518 | Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus |
| | | ASTM C1363 | Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus |
| | Special Approvals | City of Los Angeles | Product Approval for City/County of Los Angeles |
| | | Miami-Dade Wall | Miami-Dade County Product Control Approved (Note: WACC Vertical Installation Only) NOA No. 13-0212.06, Expiration Date: 03/06/2018 |
| | Canadian Certifications | Fire Performance | CAN/ULC S101 |
| CAN/ULC S102 | | | Surface Burning Characteristics of Building Materials and Assemblies |
| CAN/ULC S138 | | | Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration |

Load span tables and notes are available at RobertsonBuildings.com

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Corporate Office | 1343 Sandhill Dr., Ancaster, ON L9G 4V5
| 800-387-5335, 905-304-1111, f 905-304-2420

Western Office | 11318-163 St. NW, Edmonton, AB T5M 1Y6
| 780-485-3055, f 780-461-7785

RobertsonBuildings.com