STRUCTURAL PANELS INC
INSULATED PANEL BUILDING SYSTEMS
ROCKWALL™

ROCKWALL™, is a superior fire-rated/non-combustible panel system designed to provide custom building solutions where both fire resistance and thermal insulation are required. **ROCKWALL™** is a stressed steel-skin sandwich panel with a permanently bonded mineral wool core. **ROCKWALL™** and **ISOWALL®** panels have the same profile edge and facings and can be seamlessly integrated. Our airtight building and wall systems can be installed easily and quickly, producing an aesthetic, efficient thermal envelope with a small carbon footprint. **ROCKWALL™** panels can help reduce insurance costs, protect against loss of business, and even save lives.



WHEREVER YOU NEED A NON-COMBUSTIBLE WALL THAT IS INSULATING, SANITARY, AND CAPABLE OF **RESISTING FLAME SPREAD FOR UP TO THREE HOURS**, THINK **ROCKWALL™**!

ROCKWALL™ is a relatively new product to North America, but mineral wool core panels have an extensive history in Europe. As building owners and designers have become aware that truly non-combustible panels are available, the applications have grown exponentially. **ROCKWALL™** fire rated panels have been developed to meet the demands of architects, suppliers and insurance providers for an aesthetic high-performance steel-faced building panel with efficient thermal insulation and superior fire resistance. The **ROCKWALL™** panel system meets most current limiting distance standards.

A **ROCKWALL™** panel with steel facings is almost entirely organic. The only inorganic materials in the assembly are the small amount of binder in the mineral wool, the laminate adhesive and any joint sealant used. **ROCKWALL™** panels are also foam, CFC and HCFC free.



ROCKWALL™ PANEL PROPERTIES

- Highest fire resistance rating of any panel on the market.
- Thicknesses from 2.5" to 10".
- Custom lengths up to 32 feet in a range of standard colors.
- Maintenance-free finish with remarkable color and gloss retention and resistance to stains, abrasions, and metal marking.
- Enhanced sound containment for a quieter environment.
- High thermal barrier envelope and vapour resistance resulting in significant energy saving of as much as 30%.
- Tongue and groove friction fit edge enables ease of construction and can cut installation costs in half.
- Edge harmonizes with **ISOWALL®** panel system.
- Core is made from natural basalt rock and recycled slag providing a lighter environmental footprint and LEED point credits that contribute to sustainable development.



GENERAL SPECIFICATIONS

- Panel facings are permanently bonded to mineral fibre core with a heat polymerizing adhesive.
- Core material is designed in lamella strips with perpendicular fibre orientation that provides additional strength, dimensional stability and moisture resistance.
- Critical line of defense in fire protection: passive fire protection of 1, 2, or 3 hours (for 4 inch, 5 inch, and 6 inch thick panel).
- Intertek Fire rating ASTM E119 (CAN/ULC S101) 1 hour, 2 hour, and 3 hour (SPI/WPA 180-01).
- Non-combustible core (no sprinklers required) possesses excellent fire-stopping properties and does not develop smoke or promote flame spread when exposed to fire (ASTM E119 zero smoke, zero flame spread).
- Interior and exterior facings are CFIA accepted 0.18 min. G-90 Hot Dipped galvanized steel, conforming to ASTM A653-Grade 33 pre-coated with an imperial white standard finish. The interior and exterior standard finishes are available in either embossed or smooth with a micro rib, shadow line or smooth profile finish.
- Intertek air infiltration test ASTM E283: Air infiltration: 0.00 L/s-m at 75 Pa and 0.00 L/s-m at 300Pa.
- Intertek water leakage test ASTM E331: No water leakage at pressure differential of 730 Pa.
- Acoustical properties – 4 = 300db (weighted CRI).

THICKNESS INCHES	WEIGHT IN LBS. PER LINEAR FOOT	WEIGHT IN LBS. PER SQUARE FOOT
2.5"	12.67	3.25
3"	14.04	3.60
4"	16.73	4.29
5"	19.46	4.99
6"	22.19	5.69
7"	24.88	6.38
8"	27.61	7.08
9"	30.30	7.77
10"	32.91	8.44

WWW.STRUCTURALPANELS.CA | INFO@STRUCTURALPANELS.CA 90 PRINCESS STREET COBOURG ONTARIO CANADA K9A 5T2 | PHONE: 905-372-0195