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FW SERIES W/ REVEAL • 1.0mm UNITED ZINC • GLACIER GREY

The Evolution of Intelligent Wall Design

IntelliScreen™ Complete Rainscreen Wall Systems deliver alluring style, energy efficiency, strength and longevity under a single-source warranty.

IMETCO combines best-in-class cladding, cavity and framing components into a fully-integrated rainscreen assembly, backed by the engineering, project support, and manufacturing capabilities upon which IMETCO has built its reputation for more than 20 years.

IntelliScreen Systems Include:

Metal Wall Panels

- A versatile line of profiles, materials and colors

Vented Horizontal Hat Channel

- Unique design creates a crucial one-inch air cavity for ventilation, and virtually eliminates thermal bridging. Hat channel is installed horizontally onto the continuous insulation, fastening into the metal studs. A series of slots allows air to circulate behind the panels and dry any moisture present in the wall cavity. Optional vertical struts are also available.

Stone Wool Continuous Insulation by ROXUL®

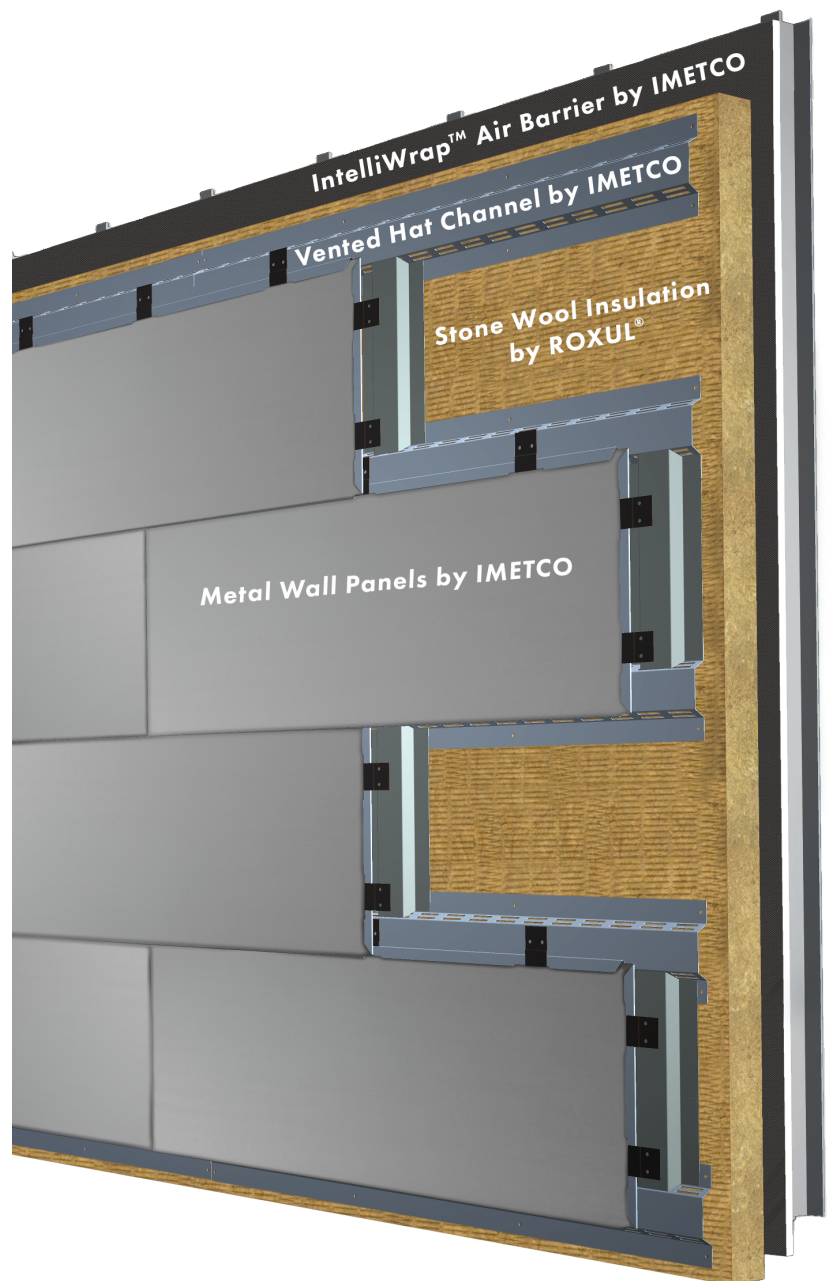
- Made from natural stone and recycled content, stone wool offers thermal efficiency and fire-resistance that other insulation can't match. It repels water, remains dimensionally stable, and does not propagate mold growth.

Water-Resistive Air Barriers

- Sheet and fluid-applied options
- Vapor-permeable air barriers stop the flow of air and liquid water, and allow controlled diffusion of water vapor
- Vapor barriers restrict vapor flow for climate zones or applications that demand it

Warranties

- IMETCO offers 5 and 10 year weather-tight warranties on IntelliScreen designs. Contact your local IMETCO representative for more information.



IMETCO Metal Wall Panel Systems for Rainscreen Assemblies

IMETCO offers a variety of metal wall panel profiles, materials, colors and finishes. Engineered for performance, these systems offer designers a variety of aesthetic choices, from flush to articulated profiles that are interchangeable and offer solutions for both horizontal and vertical applications.

Latitude®

Suitable for horizontal and vertical applications, Latitude offers dynamic visual impact and proven performance. Concealed clips keep panels in place while allowing unlimited thermal movement. Optional PrecisionEdge® factory-mitered corners provide a sleek, continuous look. Profiles can be mixed and matched for visual interest. Choose from a variety of standard profiles, or take advantage of IMETCO's custom manufacturing capabilities to create your own unique look.



LATITUDE LW16S-28F • .040" ALUMINUM • SILVER CLOUD

Legacy™

These shingle-style metal wall panels are interlocking with integrated clips. This reliable system offers an aesthetically-pleasing option for any wall application, particularly where unique or complicated building shapes are used. Its rectangle- and diamond-shaped profiles, and wide variety of material options give designers the flexibility to make a bold architectural statement.



LEGACY • 0.8mm UNITED ZINC • GLACIER GRAY

Element™

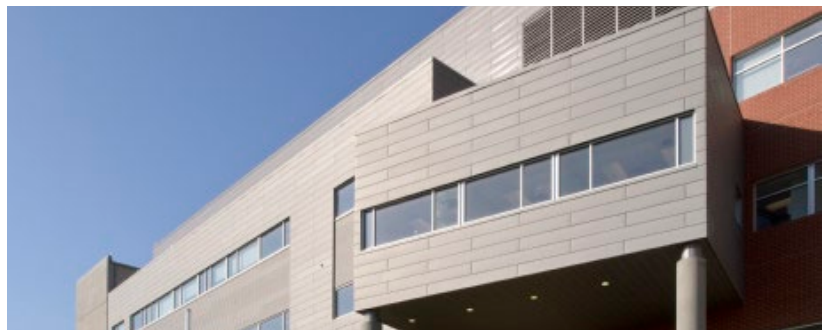
Element, a durable architectural wall panel system, is a horizontally applied metal panel providing design professionals with aesthetic versatility. Available with a 3/4-inch or 1-inch reveal joint, this easy to install metal panel system is ideal for architectural wall and rainscreen applications.



ELEMENT • 22GA STEEL • PLATINUM SILVER

FW Series

FW is a durable, cost-effective 12-inch wide flush metal wall panel with interlocking legs and concealed fasteners. The standard profile features a flat pan; optional profiles include one centered v-groove, or two v-grooves equally spaced at 4-inch o.c. Factory notching and end folds are available to add a reveal on all four sides.



FW SERIES • 1.0mm UNITED ZINC • GLACIER GREY

Vented Hat Channel

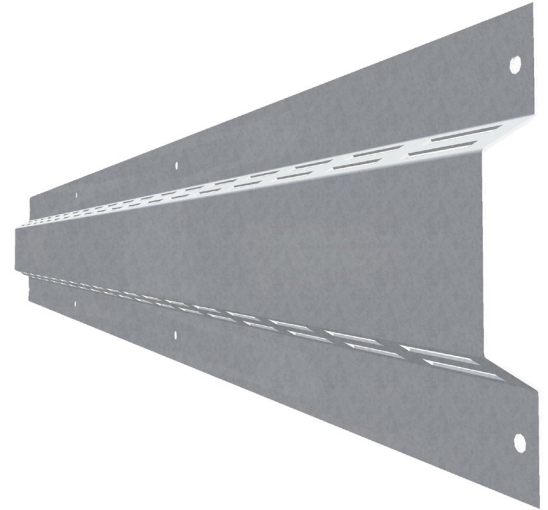
IMETCO's vented hat channel, made of 18-gauge steel, is installed horizontally onto the continuous insulation, fastening into the metal studs.

A series of precisely placed 0.2" x 1.75" slots (27% open) allow air to circulate behind the panels, creating the convection needed to dry any moisture present in the wall cavity.

Optional vertical struts are also available:



ELEMENT • .080" ALUMINUM • CUSTOM COLORS



Stone Wool Continuous Insulation (by ROXUL®)

Stone wool-based insulation, produced by ROXUL, is made from natural stone and recycled content which gives it thermal efficiency and fire-resistant properties that other insulation can't match. It repels water, remains dimensionally stable, and does not propagate mold growth.

- Repels water; serves as a drainage plane
- Does not propagate mold growth
- Maintains thermal resistance; R-value does not diminish over time
- Experiences little or no thermal expansion or contraction; mitigates the risk of voids and gaps developing in the thermal barrier
- Remains dimensionally stable; will not bend, warp, or shrink over time
- Allows the wall to breathe; vapor-open, will not trap moisture
- Non-combustible, with low flame-spread and smoke development ratings



ROXUL®
The Better Insulation™

Water-Resistive Air Barriers

Uncontrolled liquid water and air flow takes a tremendous toll on a building and its occupants. IMETCO offers several membrane and fluid-applied water-resistive air barriers for use with IntelliScreen systems:

Vapor-Permeable Air Barriers

IntelliWrap water-resistive air barriers stop liquid water and airflow, while promoting a wall cavity in which water vapor can be effectively managed.

IMETCO engineering services will assist you with the selection and placement of the proper water resistive air barriers in your IntelliScreen system.



SHEET MEMBRANE - PERMEABLE



IntelliWrap™ MA

IntelliWrap MA is a 3-layer mechanically attached water-resistive barrier (WRB) and air barrier. It is water tight and vapor permeable, protecting the building enclosure from wind-driven rain while allowing moisture within the building enclosure to escape through the membrane via diffusion. Its permeability and air-tightness make it an ideal membrane for energy-efficient construction.



IntelliWrap™ SA

IntelliWrap SA is a 3-layer self-adhered water-resistive barrier (WRB) and air barrier. It is water tight and vapor permeable, protecting the building enclosure from wind-driven rain while allowing moisture within the building enclosure to escape through the membrane via diffusion. Its permeability and air-tightness make it an ideal membrane for energy-efficient construction.



IntelliWrap™ UV

IntelliWrap UV is a mechanically attached vapor-permeable water resistive barrier (WRB) for façade systems with open joint claddings. It is a watertight, tear-resistant polyester membrane that helps protect building enclosures from damaging effects of moisture infiltration. Its high vapor permeance allows moisture within the cavity to escape. With its special UV-stabilized acrylic coating, IntelliWrap UV is suitable for all backvented facing construction featuring open joints.

SHEET MEMBRANE - NON PERMEABLE



IntelliWrap™ VB

IntelliWrap VB is a self-adhering air & water vapor barrier membrane. It is composed of a tough, multi-layer cross-laminated film that is coated with a rubberized asphalt adhesive. A release liner protects the adhesive and is removed as the membrane is installed.



ELEMENT • 16" & 24" WIDE • .080" ALUMINUM • CHAMPAGNE

SPRAY APPLIED - PERMEABLE

IntelliWrap™ LVP

IntelliWrap LVP is a fluid-applied, water-based polymer modified air and water barrier. It is designed to provide a flexible, monolithic barrier when applied over a wide variety of construction surfaces, including masonry, concrete, exterior gypsum board, and wood sheathing. It cures to a tough, durable film with excellent elastomeric and crack bridging capabilities.



SPRAY APPLIED - NON PERMEABLE

IntelliWrap™ LVB

IntelliWrap LVB (water-based) is a fluid-applied, water-based polymer modified asphalt emulsion air, vapor, water barrier. It is designed to provide a flexible, monolithic air, vapor and water barrier when applied over a wide variety of construction surfaces including masonry, concrete, exterior gypsum board, stone, wood sheathing and metal. It cures to a tough, durable film with excellent elastomeric and crack bridging capabilities.

IntelliWrap™ LVB (solvent-based) is a fluid-applied, solvent-based polymer modified asphalt waterproofing air, vapor, water barrier. It is designed for use as the membrane component in an exterior wall waterproofing system. It forms a tough, durable membrane that bridges shrinkage cracks.



IMETCO is a leading manufacturer of premier metal products for the building envelope, delivering performance-inspired systems tailored to every project. IMETCO offers a full range of high-performance metal roofing, wall, and edge systems and accessories that provide a virtually limitless realm of aesthetic possibilities.

Driven by a collective desire to provide exceptional service at every opportunity, IMETCO pledges to **communicate, promise and deliver** innovative solutions, dedicated support, professional engineering services, and products manufactured to the highest quality standards.



a subsidiary of Garland Industries, Inc.

(800) 646-3826
www.imetco.com

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