Innovative Solutions for Today’s Progressive Architecture

Morin is the industry’s most versatile manufacturer of single element metal wall and roof panels.

With our three production facilities located in Bristol, CT, Fontana, CA and Deland, FL, we have a combined production capacity of over 50 million square feet.

Our nationwide sales network and in-house technical service teams provide innovative solutions for today’s progressive architecture.

Visit www.morincorp.com for access to profiles, specifications, AutoCAD details, load span charts and technical manuals.

Our products will assist in meeting the requirements that are specified in the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED®) Green Building Rating System.

Morin’s knowledgeable sales staff provides AIA/CES approved seminars on Single Element Architectural Metal Wall and Roof Systems.
ARCHITECTURAL METAL WALL & ROOF SYSTEMS

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Cover Photography Clockwise from Upper Left: Manchester Municipal Complex (Morin Matrix Series®); Capitol West Condos (Morin Integrity Series); Wake Technical Parking Garage (Morin Perforated Series); NAU Dining Hall (Complete Morin Matrix Series® profiles)

Photography Credit: © Joseph S. Pierre (Manchester); Zane Williams (Capitol West); © Tzu Chen Photography (Wake Tech); © Bill Timmerman (NAU)
Inspired by technology, the Morin Matrix Series® is the next evolution in an integrated concealed fastener rainscreen wall panel system. With four unique panel profiles as well as complimentary extruded aluminum trims and MiterSeam corners, the designer has all the tools necessary to create the next award winning design.

Four unique profiles
Concealed clip and fastener design
Common joint design allowing multiple panel integration
Weather tight or rainscreen rear ventilated application
Ideal for new or retrofit projects
Smooth surface standard, stucco embossed texture optional
All PVDF painted finishes available
All weather installation
Optional factory caulking available

Panel Depth
1-1/2” (38mm)

Cover Width
12” (305mm)

Lengths
5’ (1.52m) to 30’ (9.14m) Standard
Shorter and longer lengths available

Galvalume/Zincalume Painted Steel Options
20 GA (.91mm) / 22 GA (.76mm)

Aluminum Options
.050 GA (1.27mm) / .040 GA (1mm)

Stainless Steel Options
22 GA (.76mm) / 24 GA (.60mm)

Zinc Options
20 GA (1.0mm) / 22 GA (.91mm)

Natural Copper Options
20 oz. / 16 oz.

Application
Horizontal or vertical
Integrity Series is an integrated, concealed fastener, rainscreen, wall panel system. The asymmetrical shape of the X-12 panel was created by the well-known Japanese architect Fumihiko Maki in the early 1990's. Since then it has become one of the most popular profiles selected by architects for use on buildings of all types.

Thirteen unique profiles
Concealed clip and fastener design
Common joint design allowing multiple panel integration
Weather tight or rainscreen rear ventilated application
Ideal for new or retrofit projects
Smooth surface standard, stucco embossed texture optional
All PVDF painted finishes available
All weather installation
Optional factory caulking available

Panel Depth
7/8” (22mm)

Cover Width
12” (305mm) or 16” (406mm)

Lengths
5’ (1.52m) to 30’ (9.14m) Standard
Shorter and longer lengths available

Galvalume/Zincalume
Painted Steel Options
18 GA (1.19mm) / 20 GA (.91mm) / 22 GA (.76mm) / 24 GA (.60mm)

Aluminum Options
.050 GA (1.27mm) / .040 GA (1mm)

Stainless Steel Options
20 GA (.91mm) / 22GA (.76mm) / 24 GA (.60mm)

Zinc Options
18 GA (1.5mm) / 20 GA (1.0mm) / 22 GA (.91mm)

Natural Copper Options
20 oz. / 16 oz.

Application
Horizontal or vertical

*Heavier gauges suggested
MORIN ARCHITECTURAL METAL WALL & ROOF SYSTEMS

MORIN CONCEALED FASTENER SERIES
Concealed fastener panels are available in either flat, reveal, striated or chevron profiles. With a common side joint the designer can mix and match panel profiles throughout the facade creating the exact desired effect. Panels maybe installed vertically, horizontally, or in combination.

Eleven unique profiles
Concealed fastener design
Common joint design allowing multiple panel integration
Weather tight or rainscreen rear ventilated application
Smooth surface standard, stucco embossed texture optional
All PVDF painted finishes available
Optional factory caulking available

Panel Depth
1-1/2” (38mm)

Cover Width
12” (305mm) Standard
16” (406mm) and 18” (457mm) optional on F profile only

Lengths
5’ (1.52m) to 30’ (9.14m) Standard
Shorter and longer lengths available

Galvalume/Zincalume
Painted Steel Options
18 GA (1.19mm) / 20 GA (91mm) / 22 GA (.76mm) / 24 GA (.60mm)

Aluminum Options
.050 GA (1.27mm) / .040 GA (1mm)

Stainless Steel Options
20 GA (.91mm) / 22GA (.76mm) / 24 GA (.60mm)

Zinc Options
18 GA (1.5mm) / 20 GA (1.0mm) / 22 GA (.91mm)

Natural Copper Options
20 oz. / 16 oz.

Application
Horizontal or vertical
Exposed fastener wall and roof panels are used on every type of building today from industrial manufacturing plants to Class A office buildings. Whether it's the traditional sine wave C profile or the bold O-24 profile, the many interesting designs available within this product line are numerous.

Seventeen unique profiles
Overlapping side joint design
Weather tight or rainscreen rear ventilated application
May be insulated to meet required thermal values
Ideal for new or retrofit projects
Smooth surface standard, stucco embossed texture optional
All PVDF painted finishes available
All weather installation

Panel Depth
1/2” (13mm) to 4” (102mm)

Cover Width
24” to 40” (711 mm)

Lengths
5’ (1.52m) to 30’ (9.14m) Standard
Shorter and longer lengths available

Galvalume/Zincalume Painted Steel Options
18 GA (1.19mm) / 20 GA (.91mm) / 22 GA (.76mm) / 24 GA (.60mm)

Aluminum Options
.050 GA (1.27mm) / .040 GA (1mm)

Stainless Steel Options
20 GA (.91mm) / 22GA (.76mm) / 24 GA (.60mm)

Zinc Options
18 GA (1.5mm) / 20 GA (1.0mm) / 22 GA (.91mm)

Natural Copper Options
20 oz. / 16 oz.

Application
Horizontal, vertical, or diagonal
MORIN ARCHITECTURAL METAL WALL & ROOF SYSTEMS

MORIN PERFORATED SERIES
Morin can perforate any profile.

Available materials:
Aluminum, Stainless Steel, Zinc, and Copper.

Galvalume Steel is available for interior applications only.

Gauges vary dependent upon perforation pattern and product profile.
Dual purpose wall & roof system offers limitless design flexibility

No longer does the designer have to select a separate wall and roofing panel.
MorZip® does it all, providing seamless transition from wall to roof and back again.
This panel profile, in existence since 1964, is the most successful structural standing seam roof system used on high profile projects throughout the world.

Design Features
• MorZip® Naturals in stainless steel, zinc, copper and aluminum, will last the lifetime of the building.
• MorZip® Painted Metals offered in aluminum or Galvalume/Zincalume
• Mechanically seamed sidelap provides unsurpassed weathertightness at slopes as low as ½:12.
• Hidden clip fastening eliminates need for through fasteners.
• Jobsite roll forming of MorZip panels in continuous lengths is available to eliminate panel end laps.
• Curving capabilities include convex lay-down and mechanical curve and concave mechanical curve.
• Tapered options are either a curved tapered or a straight tapered MorZip panel.
• Contact MORIN Technical Service Department with your unique project requirements.

Materials
MorZip® Naturals
Bare Aluminum
.050/.040 in.
Stainless Steel
20/22 gauge
Zinc
1.0mm
Copper
20 oz.
MorZip® Painted Metals
Painted Aluminum
.050/.040 in.
Stainless Steel - Galvalume/Zincalume
20/22 gauge

Sustainability
All MorZip products contain various recycled content and are 100% recyclable at the end of their useful life.

Aluminum
Avg. Recycled* 80%
Estimated Life Span 70+ Years

Stainless Steel
Avg. Recycled* 60%
Estimated Life Span 80+ Years

Alloy Zinc
Avg. Recycled* 10%
Estimated Life Span 80+ Years

Copper
Avg. Recycled* 80%
Estimated Life Span 90+ Years

*Value may vary, contact your Morn Sales Representative
Architectural standing seam panels are available in a variety of profiles and widths. Slim seams or batten seams are available. Some panels are a water shedding design and require a minimum 4:12 slope. Others can be used in a low slope 1/2:12 application.

Concealed clip and fastener design
Ideal for new or retrofit projects
Smooth surface, stucco embossed, striated and pencil beads are available and optional on various panels. Consult our website for further information.

All PVDF finishes available
Factory caulking is standard

**Panel Depth**
1" (25mm) - 2" (51mm)

**Panel Widths**
12" (305mm) - 18" (457mm)

**Lengths**
5' (1.52m) to 30' (9.14m) Standard
Shorter and longer lengths available

**Galvalume/Zincalume**
**Painted Steel Options**
18 GA (1.19mm) / 20 GA (.91mm) / 22 GA (.76mm) / 24 GA (.60mm)

**Aluminum Options**
.050 GA (1.27mm) / .040 GA (1mm)

**Special Notes**
Copper, Zinc and Stainless Steel options available dependent on the profile.
Jobsite roll forming is available with SLR and SWL panels only.
SWL and SCR panels require a solid substrate.

Substrate gauges vary by product, consult Morin for availability.
Morin has available the tooling and accessories for the button punch panels which were used frequently during the 50’s and 60’s prior to the creation of today’s modern concealed fastener panels. Panel joints are crimped with a special tool to create a friction connection to a concealed clip.

Six unique profiles
Concealed button punch clip and fastener design
Common joint design allowing multiple panel integration
Ideal for exact replacement panel projects
Smooth surface standard, stucco embossed texture optional
All PVDF finishes available
All weather installation

Panel Depth
1-1/2” (38mm)

Lengths
5’ (1.52m) to 30’ (9.14m) Standard
Shorter and longer lengths available

Galvalume/Zincalume
Painted Steel Options
20 GA (.91mm) / 22 GA (.76mm)

Aluminum Options
.050 GA (1.27mm) / .040 GA (1mm)

Application
Horizontal or vertical

Special Notes:
Copper, zinc and stainless steel options available dependent on the profile. Fabricated in Bristol, CT only, longer lead times and 1,000 square foot minimums per profile apply.

Morin Insulated Liner Systems can be combined with all of our panel face sheets to develop unique cavity wall construction. The assembly can be designed to provide for one or all of the following performance criteria:

- Fiberglass, semi-rigid or rigid insulations to provide R values in excess of R = 20.
- Gypsum board to create one-hour to four-hour fire rated wall assemblies per ASTM E118 fire tests.
- Liners can be perforated to provide NRC Ratings up to 0.90.
- Liners can provide sound attenuation properties in excess of STC 45.

Unique profiles
Ideal for new or renovation projects
Smooth surface standard, stucco embossed texture optional
Standard finish is a 1.0 mil polyester in an Imperial White color
All PVDF finishes are available as an option
Factory caulking is standard
All weather installation

Panel Depths
1-1/2” (38mm) - 6” (152mm)

Panel Widths
12” (305mm) - 24” (610mm)

Lengths
20 feet maximum

Galvalume/Zincalume
Painted Steel Options
18 GA (1.19mm) - 24 GA (.60mm)

Aluminum and Stainless Steel Options
Consult with your local Morin representative to learn more of these available options.

Application
Horizontal or vertical
Morin Over KarrierPanel™

Universal Barrier Wall Solution

Metal Rainscreen Panel
Any available Morin panel profile

KarrierPanel Technical Data

Cover Widths
24” 30” 36” 42” (Standard)

Thickness
2” 2-1/2” 3” 4” 5” 6”

R-Value
7.5 per inch

Lengths
6’ to 52’

Panel Joint
Double tongue and groove interlocking rainscreen joint

Reveal Choice
3/8”

Exterior and Interior Face
26, 24, or 22 Ga.
Shadowline profile embossed
Galvalume pre-painted steel

Application
Vertical and horizontal

Rail
Custom Kingspan KarrierRail
DESIGN OPTIONS

MITERED CORNERS
Miterseam corners utilize structurally bonded construction and are fabricated from the same materials as the adjacent panels, which will assure a color match for Mica or Metallic colors.

CURVING
Crimp and stretch curving can be supplied at various radii dependent on the panel's profile.

PANEL COORDINATED LOUVERS
Profiled louvers match adjacent panels in material and finish, thereby concealing the louver location.

EXTRUSIONS
Extruded aluminum trim can be furnished for panel systems up to 3” deep. Please contact your local representative for additional information.

COLOR MATCHED FASTENERS
At Morin we sweat the small stuff. We can provide the necessary fasteners with custom color matching to assure your panel installation is punch list free.
STANDARD COLORS

REGAL WHITE
SR: 0.70 E: 0.86 SRI: 85
ASCOT WHITE
SR: 0.69 E: 0.85 SRI: 83
BONE WHITE
SR: 0.69 E: 0.84 SRI: 83
SANDSTONE
SR: 0.61 E: 0.85 SRI: 72

DOVE GRAY
SR: 0.47 E: 0.86 SRI: 53
ZINC GRAY
SR: 0.35 E: 0.86 SRI: 37
CHROMIUM GRAY
SR: 0.56 E: 0.86 SRI: 65
SURREY BEIGE
SR: 0.48 E: 0.86 SRI: 54

SIERRA TAN
SR: 0.38 E: 0.85 SRI: 40
PARCHMENT
SR: 0.33 E: 0.85 SRI: 41
ANTEQUE BRONZE
SR: 0.43 E: 0.86 SRI: 48
SPARTAN BRONZE
SR: 0.31 E: 0.85 SRI: 31

DARK BRONZE
SR: 0.27 E: 0.85 SRI: 26
REDWOOD
SR: 0.38 E: 0.86 SRI: 41
COLONIAL RED
SR: 0.32 E: 0.86 SRI: 33
PATINA GREEN
SR: 0.41 E: 0.84 SRI: 44

EVERGREEN
SR: 0.29 E: 0.85 SRI: 24
SLATE BLUE
SR: 0.28 E: 0.85 SRI: 27
REGAL BLUE
SR: 0.28 E: 0.85 SRI: 24
BLUE GRAY
SR: 0.28 E: 0.85 SRI: 27

FLUROPON® PVDF — KYNAR 500®
Formulated with 70% Kynar 500® proprietary resin, Fluoron® is a premium fluoropolymer coating. Factory applied and baked on, it provides excellent adhesion and flexibility properties with aluminum, HDG steel or Galvalume® components.

CUSTOM COLOR MATCHING AVAILABLE
Morin makes it easy to add protection and visual distinction to your next project. Our state-of-the-art color and paint facility can achieve virtually any tint, shade or finish to your specifications, quickly and accurately. To get started, contact our experienced sales representatives today for details.
**Premium Colors**

### MICA

- **SilverSmith**
  - SR: 0.53 E: 0.79 SRI: 59

- **Champagne Bronze**
  - SR: 0.44 E: 0.78 SRI: 46

- **Weathered Zinc**
  - SR: 0.33 E: 0.84 SRI: 33

- **Copper Penny**
  - SR: 0.48 E: 0.84 SRI: 54

- **Champagne Pearl**
  - SR: 0.45 E: 0.85 SRI: 50

### Metallic

- **Medium Gray**
  - SR: 0.36 E: 0.85 SRI: 38

- **Seafoam Green**
  - SR: 0.49 E: 0.87 SRI: 56

- **Champagne Gold**
  - SR: 0.51 E: 0.85 SRI: 58

- **Bright Silver**
  - SR: 0.57 E: 0.81 SRI: 65

### Stock Color

- **Imperial White**
  - SR: 0.62 E: 0.86 SRI: 74

**Fluoron Classic® PVDF**

Fluoron Classic® II PVDF is a premium fluoropolymer coating containing 70% Kynar 500® proprietary resin that achieves a pearlescent appearance. This two coat system is a cost-effective alternative to metallic systems requiring clear coats.

**Fluoron Classic® II PVDF**

Fluoron Classic® PVDF is a premium fluoropolymer coating containing 70% Kynar 500® proprietary resin and a special metallic effect. Due to its outstanding color retention and resistance to ultraviolet radiation, it is the preferred choice among architects and metal building manufacturers.

**Dynapon® - Interior Finish**

An extremely durable polyester finish, Valspar's Dynapon® is an economical two-coat coil coating system with ceramic pigments used for interior applications.

**Zinc Alloys**

- **Pre-Weathered Blue Gray**
- **Pre-Weathered Graphite Gray**
- **Quartz Zinc**
- **Anthra Zinc**

Colors shown here are for preliminary selection only. Contact Morin for color chart and/or physical painted metal samples before final selection.

Because of the differences in the paint formulation and application, coil coated metal panels in mica and metallic colors will differ slightly in appearance from spray applied aluminum extrusions.

Morin is pleased to offer our premium single-skin panels formed from a variety of zinc alloys with finishes ranging from natural to pre-weathered. These zinc alloys provide designers with both the anticipated patina as well as some unique color finishes that remain until the classic aging process takes over.
Morin supplies warranties covering finish integrity, material or weathertightness performance. Items not made by Morin such as sealants, fiberglass panels and fasteners carry no warranty, either expressed or implied. Please refer to the appropriate manufacturer and their product data sheets.

No metal panel manufacturer can guarantee the total elimination of oil canning, specific to light gauge cold formed metal. Be assured that we at Morin take every precaution during the selection of material and production of the metal panels to effectively minimize the effects of oil canning. Other factors contributing to oil canning can be improper installation and misalignment of the structural steel, even within the AISC standards. Oil canning from these conditions is not sufficient cause for automatic rejection of the material.

The information contained in this brochure and in the accompanying typical detail sheets is thought to be reliable and correct, but is subject to change without notice. Morin assumes no responsibility for engineering or design of any structure or sub-structure, whether such structure contains products manufactured by Morin or not.

Typical details are meant to show the products of the seller in a manner which is representative of the way in which they are installed. It is the responsibility of the buyer or his or her architect or engineer to verify that any product is suitable for the conditions and use intended and that the products are compatible with any other material.