

UNION PREMIER SERIES

COMMERCIAL & INDUSTRIAL METAL ROOFING PRODUCT GUIDE



UNION PREMIER SERIES

**Union Corrugating Company,
an industry leader in metal
roofing materials and supplies.**

COMMERCIAL PROFILES

ML200.....3

ML150.....4

SL175.....5

SL150.....6

ADVANTAGE-LOK II.....7

7/8" CORRUGATED PANEL.....8

R/PBR/IR PANEL.....9

M PANEL.....10

FL100.....10

TS-324™ TRAPEZOIDAL.....11

WEATHER-TIGHT WARRANTIES.....12

PREMIER MetalPro™ COMMERCIAL
CONTRACTOR PROGRAM.....13

COMMERCIAL COLOR CHART.....14-15



Union Corrugating serves the residential, commercial, and industrial markets from strategically located manufacturing facilities, providing you with fast and reliable deliveries. Since 1946, Union has weathered the test of time, and we stand behind all of our products with some of the best warranties in the business.

Our mission is to be the most convenient metal roofing supplier for our customers. We will accomplish this by offering fast and reliable deliveries, high quality products, an easy and pleasant ordering experience, friendly hands-on technical support, and the best sales tools in the industry. We will achieve this by having the best people in the industry and engaging them to continually improve the customer experience.



ML200



Testing and Approvals:

- ASTM E-1592 Wind Uplift
- ASTM E-1646 Water Infiltration
- ASTM E-1680 Air Leakage
- ASTM E-2140 Hydrostatic Head Resistance
- UL-90 Wind Uplift 90, 176, 180, 238, 238A
- UL 2218 Impact Resistance Class 4
- UL Class A Fire Resistance
- Florida Building Code Product Approvals

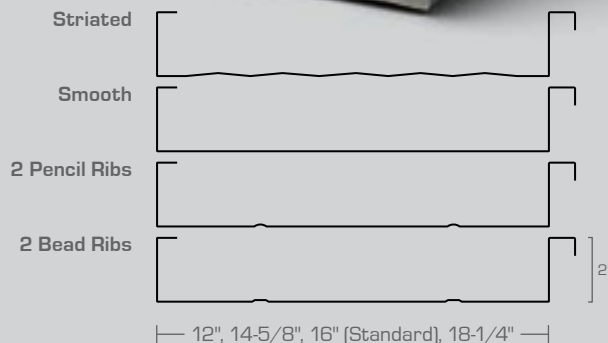
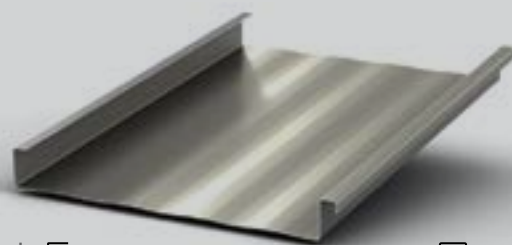
ML200 is a mechanically seamed standing seam roof panel with 2" high ribs that can be used for structural or architectural applications. The panel is secured with concealed clips, and the ribs are locked together using a rooftop seaming machine. This type of standing seam system provides very high wind uplift resistance and structural integrity. ML200 can be specified as an accent feature or a total roof system for schools, shopping centers, banks, hotels, offices, and a variety of other applications.

Specifications:

- Standing seam concealed fastener panel for roof applications
- Mechanically seamed
- Installs with clips
- 1/2:12 minimum recommended roof pitch
- Suitable for solid deck or open framing
- Applicable for installations requiring weathertightness warranties

Substrates and Coatings:

- 24 and 22 gauge high strength steel
- 0.032" and 0.040" aluminum
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- PVDF (Kynar 500 or Hylar 5000) Paint System



ML150

ML150 is a mechanically seamed standing seam roof panel for architectural applications. The panel has 1.5" high ribs, is secured with concealed clips and the ribs are locked together using a rooftop seaming machine. ML150 can be curved to meet radius panel applications. ML150 is typically specified as an accent feature for schools, shopping centers, banks, hotels, offices, and a variety of other applications.

Specifications:

- Standing seam concealed fastener panel for roof applications
- Mechanically seamed
- Installs with clips
- 1:12 minimum recommended roof pitch
- Suitable for solid deck
- Applicable for installations requiring weathertightness warranties

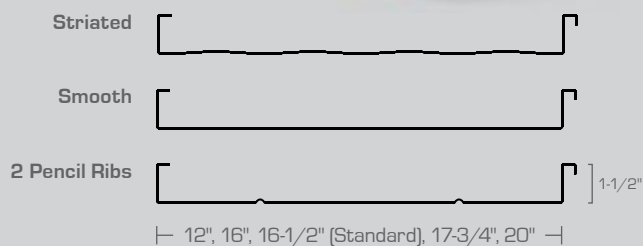
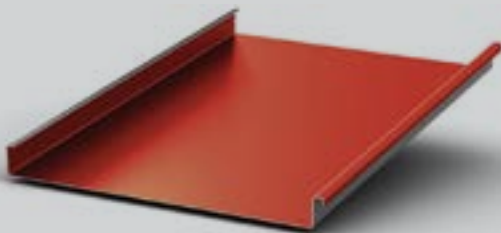
Substrates and Coatings:

- 24 and 22 gauge high strength steel
- 0.032" aluminum
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- PVDF (Kynar 500 or Hylar 5000) Paint System



Testing and Approvals:

- UL-90 Wind Uplift 512, 512A, 588, 603, 604, 605, 656, 658, 663
- UL Class A Fire Resistance
- UL 2218 Impact Resistance Class 4
- ASTM E-283 Air and E-331 Water
- ASTM E-1592
- Florida Building Code Product Approvals



SL175



Testing and Approvals:

- ASTM E-1592 Wind Uplift
- ASTM E-1646 Water Infiltration
- ASTM E-1680 Air Leakage
- UL-90 Wind Uplift 254, 255, 303, 343, 414, 508, 508A
- UL Class A Fire Resistance
- UL 2218 Impact Resistance Class 4
- Florida Building Code Product Approvals

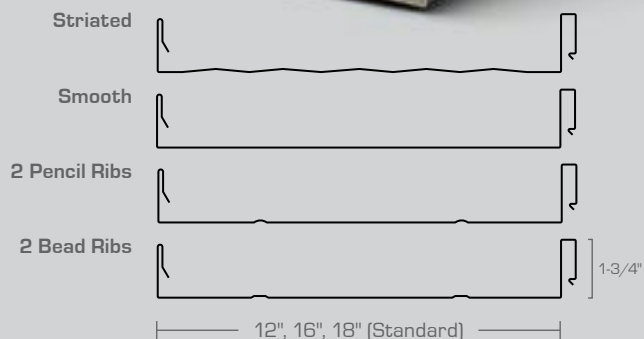
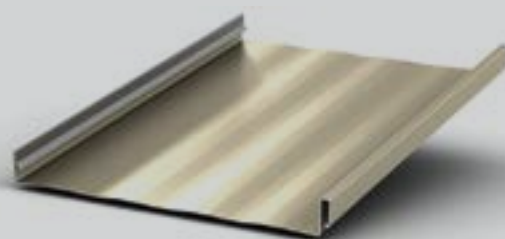
SL175 is a snap lock standing seam roof panel with 1.75" high ribs that can be used for architectural and light structural applications. The panel is secured with concealed clips and ribs that lock securely together. SL175 can be specified as an accent feature or a total roof system for schools, shopping centers, banks, hotels, offices, and a variety of other applications.

Specifications:

- Standing seam concealed fastener panel for roof applications
- Snap locking ribs
- Installs with clips
- 2:12 minimum recommended roof pitch
- Suitable for solid deck or open framing
- Applicable for installations requiring weathertightness warranties

Substrates and Coatings:

- 24 and 22 gauge high strength steel
- 0.032" aluminum
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- PVDF (Kynar 500 or Hylar 5000) Paint System



SL150

SL150 is a snap lock standing seam roof panel with 1.5" high ribs that installs with concealed clips. The clips allow the panel to freely expand and contract during thermal movement, which can help ensure an aesthetically pleasing look when very long panel lengths are required. SL150 is popular in both residential and commercial applications and is a great choice for customers that prefer a taller rib profile or for roofs requiring very long panel lengths.

Specifications:

- Standing seam concealed fastener panel for roof applications
- Snap locking ribs
- Installs with clips
- 3:12 minimum recommended roof pitch
- Suitable for solid decking

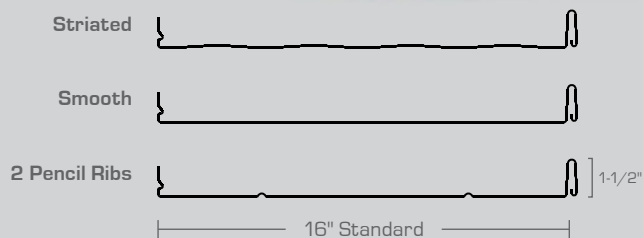
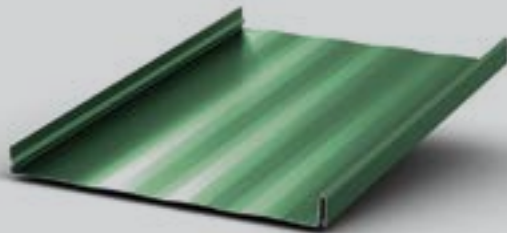
Substrates and Coatings:

- 26 and 24 gauge high strength steel.
- 0.032" aluminum
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 ga and aluminum available in PVDF (Kynar 500 or Hylar 5000) Paint System



Testing and Approvals:

- UL 580 Construction #589
- UL Class 4 Impact
- UL 790 Fire Resistance Class A
- ASTM E-283 Air, E-331 Water
- Florida Building Code Product Approvals



Advantage-Lok II



Union's Advantage-Lok II standing seam roof panel offers a low profile 1" rib height, for use on residential and smaller commercial roofs. Advantage-Lok II utilizes an integrated screw flange and snap-together ribs, resulting in an easy installation. As with all Union standing seam roof panels, Advantage-Lok II exhibits outstanding wind and weather resistance.

Specifications:

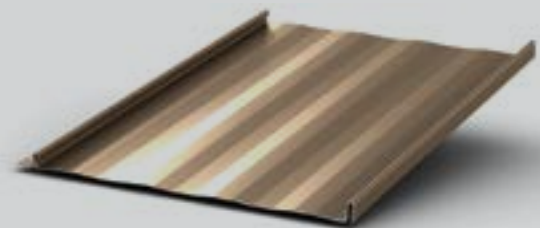
- Standing seam concealed fastener panel for roof applications
- Snap locking ribs
- Screw flange installation
- 3:12 minimum recommended roof pitch
- Suitable for solid decking

Substrates and Coatings:

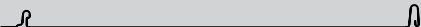
- 26 and 24 gauge high strength steel
- 0.032" aluminum
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 ga and aluminum available in PVDF (Kynar 500 or Hylar 5000) Paint System

Testing and Approvals:

- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class 4
- UL 580 Uplift UL Class 90 Construction #529
- UL 1897 Uplift Test for Roof Covering
- Texas Department of Insurance Approval #118
- Miami-Dade County Approved, NOA 11-0916.03
- Florida Building Code Product Approvals



Striated 

Smooth 

2 Pencil Ribs 

2 Bead Ribs 

16" Standard

7/8" Corrugated Panel

Designed for commercial, industrial, and steel-framed building applications, Union's 7/8" Corrugated Panel provides architects and designers a corrugated profile option which can be installed as both a roof and a wall panel. The 7/8" corrugation height provides the structural integrity to allow installation over a solid substrate or open framing. Design applications include, but are not limited to: roofing, horizontal and vertical siding, interior and exterior wainscoting, accents, backsplashes, and bar fronts.

Application:

Product can be applied to open framing (up to 5'-0" on center) and various solid substrate applications such as wood sheathing, wood planking, metal decking, and rigid insulation applied over metal decking. Minimum recommended slope is 1:12 (with lap sealant applied).

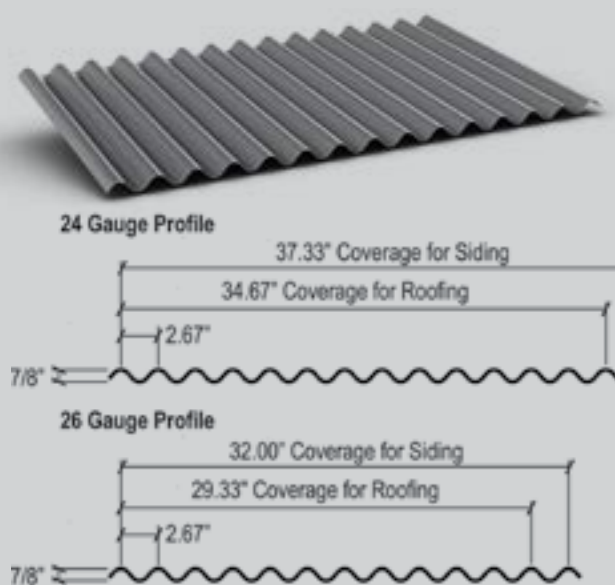
Substrates and Coatings:

- 26, 24, and 22 gauge high strength steel
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 and 22 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System



Testing and Approvals:

- UL 580 uplift resistance tested
- UL750 fire, class A rating
- UL2219 impact resistance, class 4
- Florida Building Code Product Approvals



R/PBR/IR Panel



R, PBR, and IR metal roofing panels are designed for industrial, commercial, and steel-frame building applications. The "R" family of metal roofing panels has the strength to perform on roof pitches as low as 1:12 and on spans up to five feet. The R and IR (Reverse R) panels are designed for sidewall applications. The PBR panel has an added purlin bearing leg, which is required for roof applications.

Specifications:

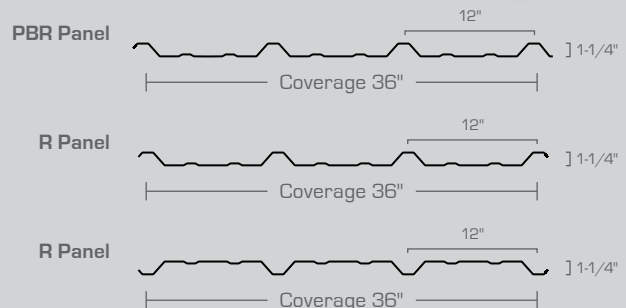
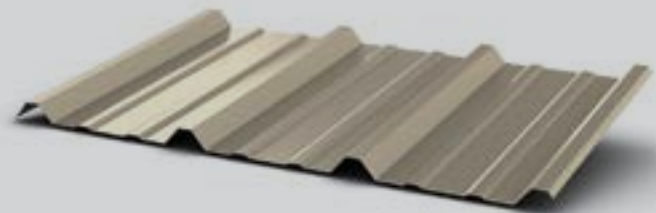
- Exposed fastener panel for roof and wall applications
- 1:12 minimum recommended roof pitch
- Suitable for solid deck or open framing

Substrates and Coatings:

- 26 and 24 gauge high strength steel
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System

Testing and Approvals:

- Texas Department of Insurance Approval #117
- UL 580 Uplift UL 90 Construction #30, 79, 161, 167, and 638
- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class 4
- Florida Building Code Product Approvals



M Panel

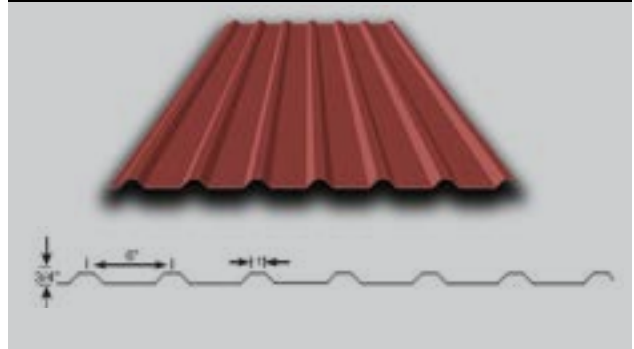
Union's M Panel is a multi-use panel typically utilized in wall and soffit applications. With 36" of coverage and major ribs 6" on center, M Panel can be installed both horizontally and vertically. Major ribs spaced 6" on center provide structural support and an aesthetic quality desired by building designers and architects.

Specifications:

- Exposed fastener panel for soffit and wall applications
- Suitable for solid deck or open framing

Substrates and Coatings:

- 26 and 24 ga high strength steel
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System Modified Polyester Paint Systems.



FL100

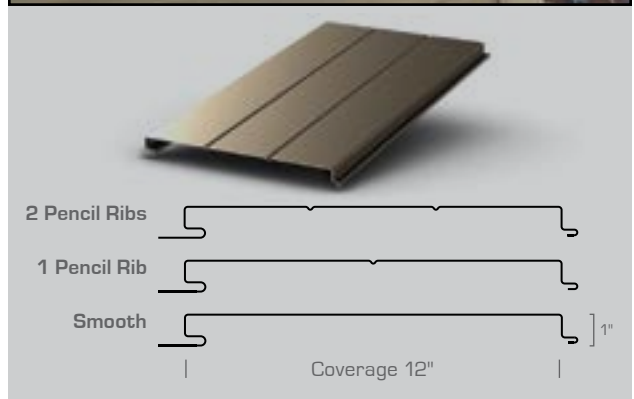
FL100 is a versatile panel that can be used on commercial and residential applications. The panel can be installed in a soffit application or vertically as a wall panel. Venting is available when used as a soffit panel. The interlocking mechanism allows for rapid installation and provides a flush appearance with completely concealed fasteners.

Specifications:

- Soffit and wall panel
- Suitable for solid substrate or open framing

Substrates and Coatings:

- 26 and 24 gauge high strength steel
- 0.032" aluminum
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 ga and aluminum available in PVDF (Kynar 500 or Hylar 5000) Paint System



TS-324™

Trapezoidal Panel

TS-324™ TRAPEZOIDAL PANEL



The TS-324™ Trapezoidal Panel is a structural metal roofing panel which provides superior wind and weather protection under all roof loading conditions. Typically installed over open framing, the trapezoidal profile maintains its structural integrity with a panel coverage of 24". The Trapezoidal Panel's 1/4":12 minimum slope recommendation is the lowest of all metal roofing profiles offered by Union.

Specifications:

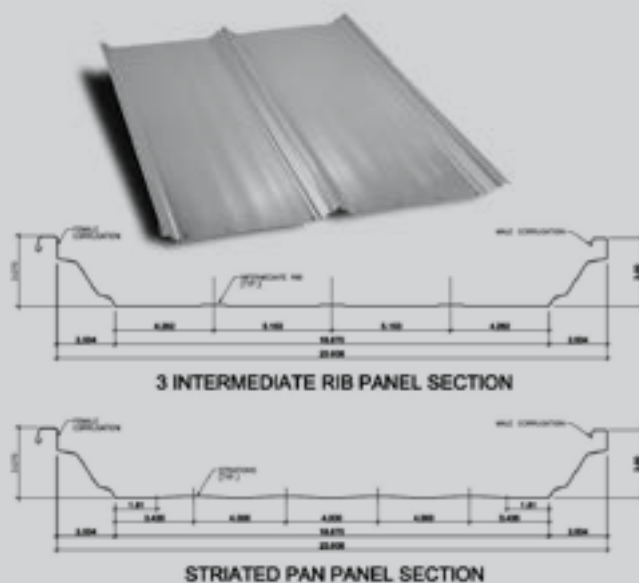
- Trapezoidal standing seam panel utilizing sliding clips and structural accessories for roof applications
- Mechanically seamed ribs
- Minimum slope recommendation= 1/4":12
- Suitable for solid decking or open framing

Substrates and Coatings:

- 26, 24, and 22 gauge high strength steel
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 and 22 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System

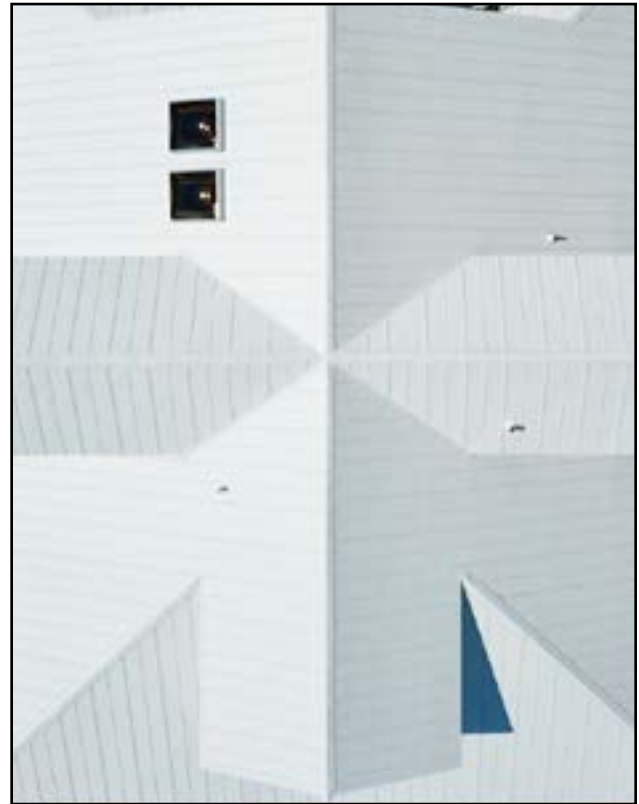
Testing and Approvals:

- ASTM E-1592 Wind uplift
- ASTM E-1646 Water Infiltration
- ASTM E-1680 Air Leakage
- ASTM E-2140 Hydrostatic Head Resistance
- Florida Building Code Product Approvals [pending]



Weather-Tight Warranties

Union offers many of the most comprehensive warranties in the industry, including full metal roofing system weather-tight warranty options with coverage up to 20 years. We offer building owners, architects, and contractors “PVP”: Protection, Value, and Peace-of-Mind. Union certifies metal roofing contractors to install WTW projects through on-site product and installation training sessions. Union is committed to delivering the highest quality metal roofing products, to be installed by skilled tradesmen and tradeswomen, certified by us, the manufacturer.



*Contact your Union rep for pricing.

Union Corrugating Weather-Tight Warranty Offering

DESCRIPTION	REQUIREMENTS	UNIT	PRICE Sq/ft	MIN CHARGE	MAX LIABILITY
5 YEAR WTW	Shop drawings are required. See notes below.	each	*	\$1,500	Cost of roof materials plus labor
10 YEAR WTW	Shop drawings are required. See notes below.	each	*	\$1,800	Cost of roof materials plus labor
15 YEAR WTW	Shop drawings are required. See notes below.	each	*	\$2,000	Cost of roof materials plus labor
20 YEAR WTW	Shop drawings are required. See notes below.	each	*	\$2,200	Cost of roof materials plus labor
20 YEAR NDL WTW	Shop drawings are required. See notes below.	each	*	\$2,700	NDL

Warranty Notes:

- All projects requiring a Weathertight Warranty must be reviewed and approved by Union Corrugating in writing prior to acceptance. Union has the right to refuse to offer a WTW on any project which has not been reviewed prior to bidding. For approval, customer shall provide at a minimum: a roof plan with slopes indicated, elevations, and specifications.
- Reference Weathertight Warranty Requirements document for additional conditions and requirements.
- Shop drawings by Union Corrugating Company are required for all WTWs. Additional charges apply. Contact the Union Commercial Department for drawing costs.

PREMIER MetalPro™ Contractor Program



A Union **PREMIER** MetalPro™ Commercial Contractor is committed to providing the highest level of customer service, professionalism, and attention to detail on all projects which include the installation of Union Corrugating metal roofing and siding products.

Union **PREMIER** MetalPro™ Commercial Contractors are factory trained on the proper installation of panel profiles designed to meet the performance and aesthetic demands of our nation's top architects, designers, and builders.

To learn more about the benefits of Union's **PREMIER** Commercial Contractor Program, please call us at 888-MTL-Roof (685-7663).

We look forward to assisting you in growing your share of the commercial metal roofing market!



Union **PREMIER** MetalPro™ Commercial Contractor Program Benefits Include:

- No fee to join
- Free factory metal roofing product and installation training focused on:
 - Labor saving installation techniques
 - Blueprint reading
 - Weather tight warranty (WTW) installation requirements
 - "How to": proper roof layout, fabrication of a cricket/saddle, cutting compound miters, proper use of snips and metal forming tools, best practices
 - "What not to do": presentation of installation issues and how to avoid them
- WTW and **PREMIER** MetalPro™ Contractor certificates
- Certified to install Union Corrugating metal roofing panels on projects requiring a WTW
- Eligible to apply for Union's **PREMIER** Series yearly commercial "Top Jobs"

Union **PREMIER** MetalPro™ Commercial Contractor Requirements:

- Insurance - Workers Compensation and Liability
- Licensing - Roofing license as required state where work is performed (if applicable)
- Installation - Union's weather tight warranty installation details must be followed

Commercial Color Chart

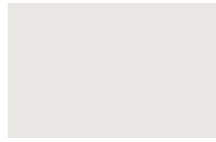
PVDF Paint System (KYNAR 500® or HYLAR 5000®)

24 & 22* Gauge Galvalume® Steel Substrate | 0.032", 0.040" & 0.050" Aluminum

STANDARD COLORS



Regal White



Bone White



Sandstone



Slate Gray



Charcoal Gray



Regal Red



Evergreen



Medium Bronze



Dark Bronze



Matte Black

SELECT COLORS



Stone White *



Dove Gray *



Ash Gray *



Aged Copper *



Sierra Tan *



Surrey Beige *



Mansard Brown *



Terra Cotta *



Colonial Red *



Burgundy *



Patina Green *



Hemlock Green *



Hartford Green *



Slate Blue *



Regal Blue *

PREMIUM COLORS

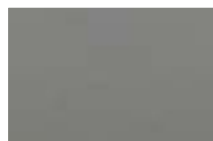
METALLICS



Silver *



Copper *



Champagne *



Pre-Weathered Galvalume®*

NON-PAINTED



Acrylic Coated Galvalume®

* Available at a slight price premium

Colors shown are matched as accurately as possible, but may vary slightly from finished product. Samples are available upon request. All colors are produced with either Kynar 500® or Hylar 5000® resins, providing superior color retention.

STOCK AVAILABILITY MATRIX		LEED 2009	LEED 2013	ISR	EMI	3 YR	SRI	GALVALUME		ALUMINUM		
								24 ga.	22 ga.	.032	.040	.050
Aged Copper	★	L	L	0.47	0.85	0.46	53	◇	◇	◇		
Ash Gray	★	L	L	0.39	0.84	0.39	41	◇	◇	◇		
Burgundy	★			0.25	0.85	0.23	23	◇	◇			
Bone White	★	L	L	0.66	0.86	N/A	79	●	◇			
Champagne Metallic	★	L		0.37	0.80	0.35	37	◇	◇			
Charcoal Gray	★			0.29	0.84	0.28	28	●	◇	◇		
Colonial Red	★	L		0.30	0.85	0.29	30	◇	◇	●	◇	
Copper Metallic	★	L	L	0.49	0.86	0.47	56	◇	◇	◇		
Dark Bronze	★			0.26	0.84	0.25	24	●	◇	●	◇	◇
Dove Gray	★		L	0.49	0.86	N/A	56	◇	◇	◇		
Evergreen	★			0.27	0.86	0.26	26	●	◇	●	◇	
Hartford Green	★			0.26	0.85	0.25	24	◇	◇	◇	◇	
Hemlock Green	★	L		0.29	0.86	0.29	29	◇	◇			
Mansard Brown	★			0.27	0.86	0.25	26	◇	◇	◇	◇	
Matte Black	★			0.29	0.83	0.27	27	●	◇	◇		
Medium Bronze	★	L		0.30	0.87	0.28	31	●	◇	●	◇	◇
Patina Green	★			0.28	0.87	0.28	28	◇	◇			
Pre-weathered Galvalume®	★			0.30	0.79	0.28	27	◇	◇	◇		
Royal Blue	★			0.26	0.85	0.25	24	◇	◇			
Regal Red	★	L		0.42	0.83	0.41	45	●	◇			
Regal White	★	L		0.67	0.86	0.67	81	●	◇	●	◇	◇
Sandstone	★	L	L	0.54	0.86	0.53	63	●	◇	◇	◇	◇
Sierra Tan	★	L		0.35	0.86	0.34	37	◇	◇	◇	◇	◇
Silver Metallic	★	L	L	0.59	0.79	0.60	67	◇	◇	●	◇	◇
Slate Blue	★			0.29	0.85	0.28	28	◇	◇			
Slate Gray	★	L		0.33	0.84	0.33	33	●	◇	●	◇	◇
Stone White	★	L		0.60	0.86	0.56	71	◇	◇			
Surrey Beige	★		L	0.42	0.85	0.41	46	◇	◇			
Terra Cotta	★	L		0.35	0.86	0.35	37	◇	◇	◇		
Acrylic Coated Galvalume®	★	L	L	0.67	0.14	0.55	56	●	◇			
Custom Colors								▲	▲	▲	▲	▲

KEY:

- Stocked Item
- ◇ Available - Lead Times Apply
- ▲ Available on Custom Order Basis
- ★ Energy Star Compliant
- L LEED Compliant
- ISR Initial Solar Reflectance
- EMI Emissivity
- SRI Solar Reflectance Index

NOTES:

- For low slope roofing to meet Energy Star requirements, the ISR must be ≥ 0.65 . After 3 years, the solar reflectance must be ≥ 0.50 .
- For steep slope roofing to meet Energy Star requirements, the ISR must be ≥ 0.25 . After 3 years, the solar reflectance must be ≥ 0.15 .
- For low slope roofing to meet LEED 2013 requirements, the SRI must be ≥ 82 .
- For steep slope roofing to meet LEED 2013 requirements, the SRI must be ≥ 39 .
- Low slope is defined as $\leq 2:12$. $ISR \leq 0.65$. After 3 years, the solar reflectance must be ≤ 0.50 .
- Steep slope is defined as $> 2:12$. $ISR \leq 0.25$. After 3 years, the solar reflectance must be ≤ 0.15 .
- Galvalume® is a registered trademark of BIEC International Inc. All trademarks are used under license of the United States Steel Corporation.



Metal Roof and Wall Systems for Residential, Commercial and Industrial Markets

Manufacturing Facilities Strategically Located for Fast, Reliable Service

Corporate Headquarters

Fayetteville, NC
P: 888-685-7663
F: 800-586-2498

Dayton Plant

Tipp City, OH
P: 877-615-9812
F: 866-312-3272

Oklahoma City Plant

Yukon, OK
P: 866-373-5286
F: 866-365-9042

Scranton Plant

Olyphant, PA
P: 866-695-6455
F: 866-577-4642

Janesville Plant

Janesville, WI
P: 877-615-9812
F: 866-312-3272

Morrison Plant

Morrison, TN
P: 931-668-4393
F: 931-668-9584

Vicksburg Plant

Vicksburg, MS
P: 888-661-0577
F: 866-312-3168

Anderson Plant

Anderson, SC
P: 800-544-5169
F: 866-312-3154

Tifton Plant

Tifton, GA
P: 800-962-9131
F: 800-362-6588

Orange Plant

Orange, VA
P: 800-762-6785
F: 866-312-3156

Ocala Plant

Ocala, FL
P: 800-331-3584
F: 866-312-3157