





The MS-150™ is a mechanically seamed roof that is perfect for high wind areas and snow country. The butyl injected seam prevents water from entering the system, giving you a worry free roof for a lifetime.

### KEY FEATURES

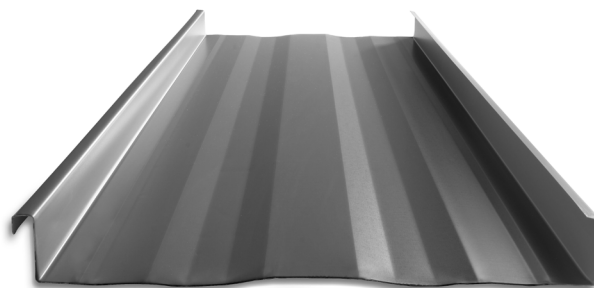
- 12", 16" & 20" coverage options
- 26, 24 & 22 gauge Tru-Gauge™ and .032" Aluminum
- 16 & 20 oz. Copper (*Please inquire*)
- True Zinc available on special request (*Please inquire*)
- Floating clip system: allows for expansion / contraction of panels in longer lengths
- 1-1/2" vertical rib
- Factory injected Butyl sealant
- Concealed fasteners: fasteners cannot leak
- Manufactured in Riverside CA, Sacramento CA & Salem, OR
-  ICC-ESR #5046 with CBC-CRC Supplement
-  Code compliance UL Evaluation Report UL ER 25913-01
- UL 580 Class 90 Wind Uplift, UL 790 Class A Fire rated and UL 2218 Class 4 Impact (hail) rated
- UL Construction No. 554
- ASTM E283 - Air infiltration (walls)
- ASTM E331 - Water infiltration (walls)
- ASTM E1592 - Structural uniform static air pressure
- ASTM E1646 - Water infiltration (roof)
- ASTM E1680 - Air infiltration (roof)
- ASTM E2140 - Water test for full immersion hydrostatic roof systems
- Weather tightness warranty available: 5 to 30 Year Prorated or NDL (*Contact TMP representative for details*)
- 1:12 minimum pitch recommended (*For lower pitches, please inquire*)
- Standard panel lengths 3' to 60' - notched
- Standard panel lengths 1' to 60' - not notched (*For longer panels, please inquire*)
- On-site roll forming available
- Panel options: Striations, Accent Ribs, and Flat Pan
- Retro-fit systems available

### PANEL PROFILES

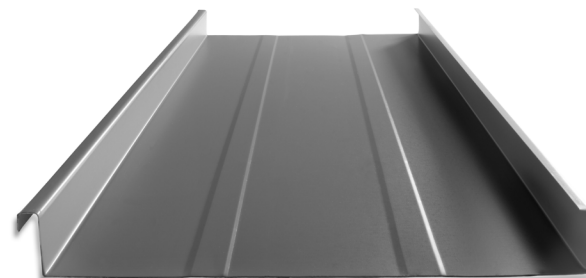


ICC-ESR #5046

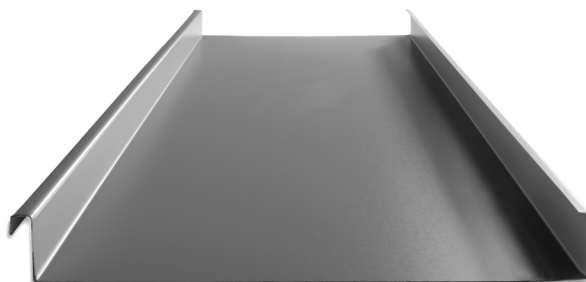
12", 16" & 20" coverage options



STRIATIONS

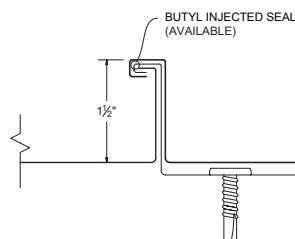


ACCENT RIBS 2 Accent ribs for 12" panel  
3 Accent ribs for 16" & 20" panel

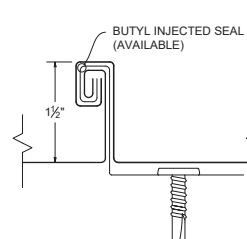


FLAT PAN

### 90° SEAM DETAIL



### 180° SEAM DETAIL



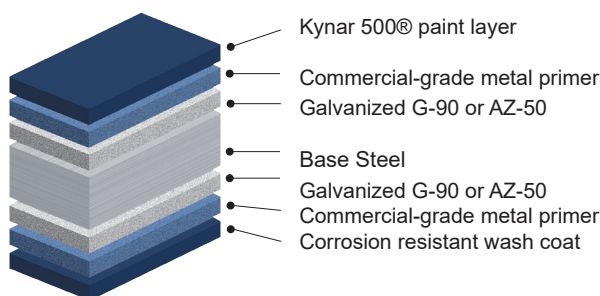
180 degree seams are not considered an architectural detail. The detail improves the weather tightness and wind uplift capabilities of the panel system, but will show stress and waviness in the seam. The detail is recommended for slopes less than 3/12, roof areas not easily viewed from the ground, and for high wind areas. For additional information, contact a TMP representative and DI Seamers for support and information about the proper use of seaming tools.

## MATERIAL SPECIFICATIONS

- 26 gauge Kynar 500® Painted Steel  
.019" (Thickness prior to painting)  
G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel  
.0236" (Thickness prior to painting)  
G-90 Galvanized or AZ-50
- 26, 24 & 22 gauge bare Zincolume® Plus AZ-55  
(No finish warranty – 25 yr. perforation warranty)
- ▲ 22 gauge Kynar 500® Painted Steel  
.029" (Thickness prior to painting)  
G-90 Galvanized or AZ-50
- ♦ .032" Kynar 500® Painted Aluminum
- 16 and 20 ounce Copper  
(Please inquire)
- Kynar 500® and substrate testing data available  
(See website)
- "Oil Canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

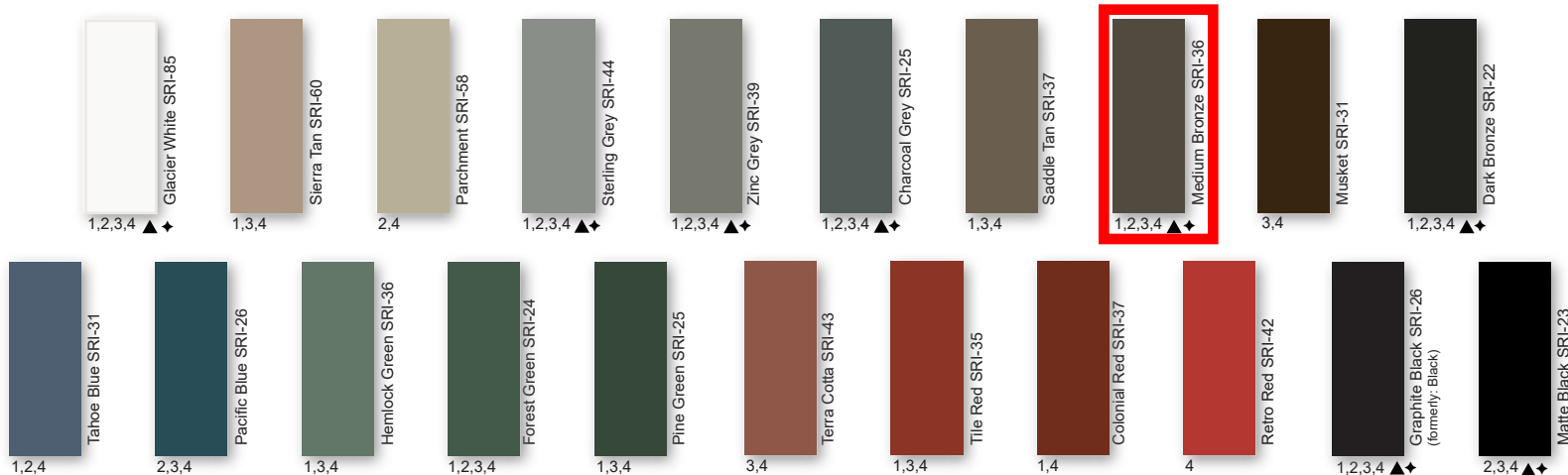
## KEY FEATURES

- 21 Standard Colors, 5 Metallic Colors and 4 Specialized Materials
- Kynar 500® Paint System - the ultimate in exterior durability and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior quality, two coat, 70% resin finish, applied at a 1 mil. thickness
- 40 year residential paint warranty
- 20 and 30 year commercial paint warranty: Contact TMP for warranty specifications

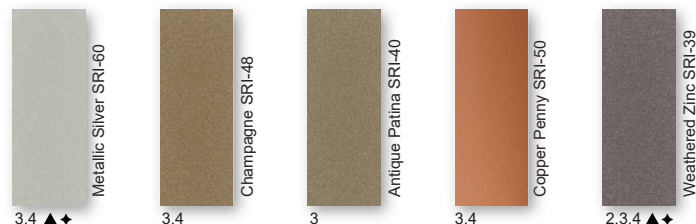


### 40-Year Residential / 20 and 30 Year Commercial Manufacturer's Limited Warranty

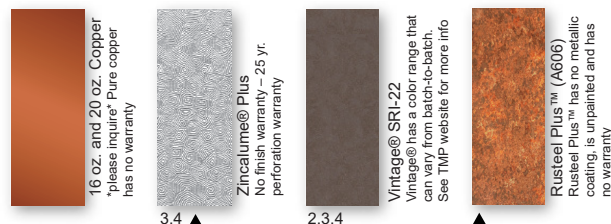
#### STANDARD COOL KYNAR 500® COLORS



#### PREMIUM METALLIC COOL KYNAR® COLORS



#### SPECIALIZED MATERIAL



These printed chips provide a close representation of the colors.

Metal samples are available upon request. Coatings are low gloss 10-15% sheen. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 980 and are based on actual testing. \*\*\*Oil canning is not a cause for material rejection\*\*\*

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12-3/4"	26	1	1.05	1.14
12-3/4"	24	2	1.24	1.34
16-5/8"	24	3	1.18	1.65
20"	24	4	1.14	1.93
12"	22	▲	1.58	1.61
20"	22	▲	1.43	2.42
16-5/8"	0.032	♦	0.55	0.81

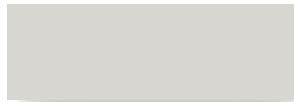


steelscape



## Standard Kynar 500® Coatings

20 or 30-year Commercial, Non-Transferable, Non-Prorated, Limited Warranty  
40-Year Residential, Transferable, Non-Prorated Limited Warranty



Glacier White SRI-85



Sierra Tan SRI-60



Parchment SRI-58



Sterling Grey SRI-44



Zinc Grey SRI-39



Charcoal Grey SRI-25



Saddle Tan SRI-37



Medium Bronze SRI-36



Tahoe Blue SRI-31



Pacific Blue SRI-26



Hemlock Green SRI-36



Forest Green SRI-24



Graphite Black SRI-26  
Formerly: Black



Dark Bronze SRI-22



Musket SRI-31



Pine Green SRI-25



Matte Black SRI-23



Terra Cotta SRI-43



Tile Red SRI-35

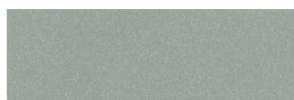


Colonial Red SRI-37



Retro Red SRI-42

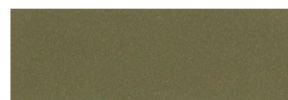
## Premium Metallic 500® Coatings *(Premium Pricing Applies)*



Metallic Silver SRI-60



Champagne SRI-48



Antique Patina SRI-40

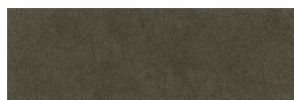


Weathered Zinc SRI-39



Copper Penny SRI-50

## Premium Finish *(Premium Pricing Applies)*



Vintage® SRI-19

Vintage® is an innovative coating process over a G-90 metallic-coated steel surface. The process creates shade variations from light to dark, the lighter shade exhibiting a grey tone while the darker shade exhibits a bronze or brown tone. The dynamic, pre-aged appearance makes this a beautiful and durable product choice that is also graffiti resistant. Vintage® comes with a 20 year warranty. Warranty can vary by environment, see TMP website for more information.

NOTE: Due to the coating process, Vintage® has a color range. Color can vary from batch-to-batch and have directional variations.

## Weathering Materials *(These materials will change appearance over time)*



16 oz. Copper  
20 oz. Copper please inquire  
Pure Copper has no warranty



Zincalume® Plus AZ-55/  
Galvalume® SRI-65

Zincalume® Plus AZ-55 is a 55% aluminum, 45% zinc metallic coating over steel. It is a non-painted finish with a 25 yr. warranty



steelscape



SRI=Solar Reflective Index. SRI values listed above are in accordance with ASTM E1980 and are based on actual testing. (CRRC) Cool Roof Rating Council SRI values (CA Title 24, ENERGY STAR®) are based on the grouping of colors (color families). CRRC SRI values will differ, as each color is not tested in the color family option. Coatings are low gloss 10-15% sheen. These printed chips provide a close representation of the colors. Metal samples are available upon request. Custom colors available. "Oil canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection.

PVDF is a fluoropolymer that is manufactured under the trademarked name Kynar 500®. Paint finishes containing a **minimum** 70% PVDF resin meet the high-performance weathering criteria established by the American Architectural Manufacturing Association and are allowed to carry the Kynar 500® trademarked name.

Coil Width	OR/WA		Panels listed below are standard size, please inquire for other sizes.																															
			Gauge	Glacier White	Sierra Tan	Parchment	Sterling Grey	Zinc Grey	Charcoal Grey	Saddle Tan	Medium Bronze	Tahoe Blue	Pacific Blue	Hemlock Green	Forest Green	Pine Green	Dark Bronze	Graphite Black	Matte Black	Musket	Terra Cotta	Tile Red	Vintage®	Zincalume® Plus	16 oz Copper	24 oz Copper	Please Inquire	Colonial Red	Retro Red	Metallic Silver	Champagne	Antique Patina	Copper Penny	Weathered Zinc
16.75"	12" Easy-Lock 12.75" MS150 13.75" MS100 12-3/8" Slim-Lock 1" Smoothwall/ Soffit/ShadowLine	24	X		X	*	X	X		X	X			X		X	X	X	X				*	X	*							X	X	
		26	X	X		X	X	X	X	X	X		X	X	X	X	X	X				X				*								
20.625"	16" Easy-Lock 16.625" MS150 17.625" MS100 16-1/4" Slim-Lock 12" Versa-Span 12" MS200 14.625" Versa-Span 14.625" MS200 12" Reveal 1-1/2" Smoothwall/ Soffit/ShadowLine	24	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	*	X	*			X	X	X	X	X		
		22	*	*	*	*	*	*		*	*		*		*	*	*	*								*		*					*	
		Aluminum	X				X	X	X		X						X	X	X											X				X
24"	18" Easy-Lock 18" Versa-Span 18" MS200 16" Versa-Span 16" MS200 20" MS150 16" Contour 12" Contour	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	*	X	X	X	X	*	*	*	*	X
		22	X	X	X	X	X	X		X	*			X			X	X	X					X		X		X						X
		.032 Aluminum	X				X	X	X		X							X	X	X										X				
43"	7/8" Corrugated PBR Marion "R" Panel HR-34	24	X	X	*	X	X	X	X	X	*	*	*	X	X	X	X	X	X	X	X	X	X	X		*	*	X	X	X	X	X	X	
		22	X	*	X	X	X	X		X	*			X			X	X	X					X		X		X						X
		.032 Aluminum	*				X	X	X		X							X	X	*										X				
48"	Flat Sheet 48"W x 120"L	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	*	*	*	*	X	
		22	X	*	X	X	X	X		X	*			X			X	X	X	X	X					X	X	X						X
		.032 Aluminum	X				X	X	X		X							X	X	X										X				

July 2022