



MAGNA-LOC



SEAM-LOC 24



SNAP-LOC 24



VERTICAL SEAM



PRO-LOC I



PRO-LOC II



PRO-LOC III



MINI-BATTEN



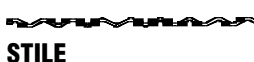
MAXI-BATTEN



IMAGE II



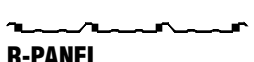
SOFFIT PANEL



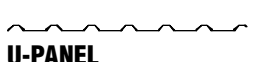
STILE



IC72-PANEL



R-PANEL



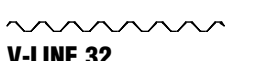
U-PANEL



SPAN-LINE 36



SPAN-LINE 36A



V-LINE 32



PRO-PANEL II



CLASSIC RIB



5V CRIMP

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GENERAL INFORMATION MATERIALS AND PAINT SYSTEMS

MATERIALS

Unpainted materials shall conform to ASTM A792 Acrylic Coated Galvalume®(ACG) coating consisting of 55% aluminum, 1.6% silicon and the balance zinc by weight (AZ55). Yield strength will vary by panel profile and gauge (Inquire with Metal Sales for specific minimum yield strength). (Differential appearance of Acrylic Coated Galvalume roofing materials is not a cause for rejection).

Painted material shall conform to ASTM A446(or A653) and be hot dipped galvanized with a substrate coating as per ASTM A525(or A924).

OR

Galvalume™ conforming to ASTM A792 with a AZ50 coating. Yield strength will vary by panel profile and gauge. (Inquire with Metal Sales for specific minimum yield strength.)

♦Galvalume™ is a Registered Trademark of Bethlehem Steel Corporation.

PAINT SYSTEMS

Metal Sales uses high quality paint systems designed to provide long term performance and protection. Each coating is formulated with thoroughly researched, tested, and field proven pretreatments, primers, resins, and pigments that can meet your design and performance requirements.

PVF2 (FLUOROCARBON)

This paint system combines ceramic pigmentation with polyvinylidene fluoride for a superior, long-lasting performance. PVF2 finishes are respected for their durability, resistance to chalking and fading, chemical resistance, and color retention. Please note: PVF2 finishes meet both Kynar 500 and Hylar 5000 specifications; Kynar and Hylar are produced under license from Elf Atochem North America, Inc. and Ausimont, respectively.

MS COLORFAST 25®

This is a thermoset coating system composed of polyester resin which has been modified with a silicone resin. Much like the PVF2 finishes, the Colorfast 25 finishes offer good protection to the elements with special consideration to chalk and fade resistance, durability, and chemical resistance.

TOUCH-UP PAINT

Touch-up paint is used to cover and protect unexpected scratches on the paint finish that may occur during installation of panel. Touch-up paint will not weather as well or at the same rate as the original coating or finish. When applying, use in small inconspicuous and separate areas. Test in an area that will not be noticeable.

METALLIC COLORS

Minor differences in color and appearance are normal and to be expected with metallic coatings, as it is impossible to match one metallic coating to another. A phenomenon known as "metallic color flop" occurs when there is a difference in alignment in the planes of metallic pigments; this will result in a different visual appearance. Due to the coil application process, striations and longitudinal patterning may also show these products. To minimize the possible visual effects of the normal minor differences in paint and its application, an entire job should be painted at one time, from one batch of paint at one coater, using the same application equipment. Additionally, fabricated panels, flat sheet, and flashings manufactured from coil coated materials should be oriented in the same direction for installation.

GENERAL INFORMATION MATERIALS AND PAINT SYSTEMS (CONT)

GENERAL INFORMATION MATERIALS AND PAINT SYSTEMS

PAINT PERFORMANCE

	TEST METHOD	Colorfast 25 [®]	PVF2 (Fluorocarbon)
Dry Film Thickness	NCCA II-4 OR ASTM D-1005-84	Topside finish: Primer .2 + .05 mil Topcoat .8 ± .1 mil Total DFT (Dry film thickness) for system .90 - 1.15 mils Reverse - Side finish: Primer .2 + .05 mil Backer .4 + .05 mil	Topside finish: Primer .2 ± .05 mil Topcoat .8 ± .1 mil Total DFT (Dry film thickness) for system .90 - 1.15 mils Reverse - Side finish: Primer .2 + .05 mil Backer .3 + .05 mil
Specular Gloss (60°)	ASTM D-523-89	35% ± 5%	30% ± 5%
Pencil Hardness	ASTM D-3363-92 or Eagle Turquoise Pencil per NCCA II-12	F	HB Minimum
Reverse Impact	ASTM D-2794	No Loss of Adhesion	No Loss of Adhesion
Formability T-Bend Mandrel	ASTM D-4145 ASTM D-522-88 (180° Bend around 1/8" mandrel)	2T No Loss of Adhesion	1T No Loss of Adhesion
Cross Hatch Adhesion	ASTM D-3359 or NCCA II-5	No Loss of Adhesion	No Loss of Adhesion
Abrasion Resistance	ASTM D-968-93	30 liters/mil minimum of falling sand	80 ± 5 liters/mil minimum of falling sand
Humidity Resistance	ASTM D-2247-92 (100% Relative Humidity at 100° F)	1200 hours	2000 hours ①
Salt Spray Resistance	ASTM B-117-90	1000 hours ②	1000 hours ② ③
Weatherometer Test	ASTM D-822/G23	2000 hours ④ ⑤	2000 hours ④ ⑤
Color Change	ASTM D-2244-85	Not greater than 5NBS units at 2000 hours	Not greater than 5NBS units at 5000 hours
Chalking Resistance	ASTM 659-86	Rating not less than #8 at 2000 hours	Rating not less than #8 at 5000 hours
Flame Spread Rate	ASTM E 84-91	Displays a flame spread classification of A (Class 1)	Displays a flame spread classification of A (Class 1)

① Test rating of 10, no blisters.

② Scribe rating of 6 (1/8").

③ Field rating of 10, no blisters.

④ No checking, blistering, or adhesion.

⑤ No objectionable chalking or color change.

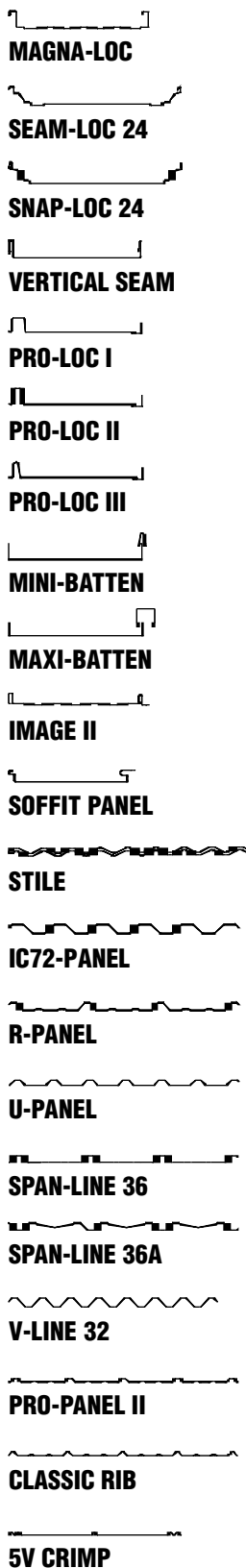
ASTM - American Society Testing and Materials
NCCA - National Coil Coaters Association

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ms

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FULL LINE



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GENERAL INFORMATION PANEL SELECTION CHART

PROFILES	COVERAGE	COLORFAST 25®		PVF2		A.C.G.®+	
		26 GA	24 GA	26 GA	24 GA	26 GA	24 GA
SOFFIT PANEL	12"	●		●	●	●	●
VERTICAL SEAM	12"	●		●	●	●	●
	16"			■	●	■	●
	18"			■	●	■	●
MAGNA-LOC	16"				●		●
	18"				●		●
MINI-BATTEN	12"	●		●	●	●	●
	16"	●		●	●	●	●
	18"	●		●	●	●	●
MAXI-BATTEN	12"	●		●	●	●	●
	16"	●		●	●	●	●
	18"	●		●	●	●	●
PRO-LOC I	12"	●		●	●	●	●
	15"	●		●	●	●	●
	18"	●		●	●	●	●
PRO-LOC II	12"	●		●	●	●	●
	15"	●		●	●	●	●
	18"	●		●	●	●	●
PRO-LOC III	12"	●		●	●	●	●
	15"	●		●	●	●	●
	18"	●		●	●	●	●
IMAGE II	12"	*		*		●	
	16"	*		*		●	
5V CRIMP	24"	*				●	
SEAM-LOC 24	24"				○	●	●
SNAP-LOC 24	24"	●			○	●	●
V-LINE 32	32"	●	*	●	○	●	●
U-PANEL	36"	●	*	●	○	●	●
PRO-PANEL II	36"	●		●	○	●	●
CLASSIC RIB	36"	●		●	○	●	●
SPAN-LINE 36	36"	●	*	●	○	●	●
SPAN-LINE 36A	36"	●	*	●	○	●	●
R-PANEL	36"	●	*	●	○	●	●
IC72-PANEL	36"				●		●

- Standard colors are available in any quantity.
- For standard colors, minimum quantity may be required.
- * Available in limited colors.
- Striated only.
- Not available.

- For Stile, refer to Stile color chart.
- For Image II, refer to Image II color chart.
- Other colors, finishes, gauges, and materials are available, please inquire.
- PVF2 finishes meet both KYNAR 500 and HYLAR 5000 specification.
- + A.C.G.: Acrylic Coated Galvalume

GENERAL INFORMATION MANUFACTURING GUIDE

The chart below should be used as a guide for product manufacturing only. Manufacturing schedules and products may vary or change without notice at each facility. If you require additional information on the products listed in the chart below, please call your nearest sales office listed on page PGI-1.

PRODUCT MANUFACTURING FACILITY GUIDE														
PRODUCT	Denver, CO	Jacksonville, FL	Jefferson, OH	Independence, MO	Clarksville, IN	Rogers, MN	Nashville, TN	Spokane, WA	Seattle, Wa	New Albany, IN	Rock Island, IL	Deer Lake, PA	Temple, TX	
Flat Sheet 26 ga x 48"	X	X	X	X	X	X	X	X	X	X	X	X	X	
Flat Sheet 24	X	X			X	X							X	
Magna-Loc					X									
Seam-Loc 24									X		X		X	
Snap-Loc 24		X												
Vertical Seam	X	X			X				X					
Pro-Loc I,II,III	X				X									
Mini/Maxi Batten					X							X		
Soffit Panel					X									
Stile					X									
IC72-Panel					X									
R-Panel	X				X								X	
U-Panel													X	
Span-Line 36		X	X		X		X	X			X	X		
Span-Line 36A				X	X			X			X			
V-Line 32						X								
Pro-Panel II	X	X	X	X	X	X		X	X		X	X		
Classic Rib	X	X	X	X	X	X	X	X			X	X	X	
5V-Crimp		X					X						X	
Image II					X									
Secondary Framing	X	X			X									

Special gauges and finishes different from standard product offering may also be available. Contact your nearest Sales Office, see page PGI-1 for further information.

GENERAL INFORMATION PRODUCT MANUFACTURING GUIDE