

# MS-200HPC Curved Mechanical Standing Seam Panel



## Features:

- Roof or Wall Application
- Horizontal or Vertical Installation
- Applied over solid substrate or open framing
- 2 piece concealed clip designed for thermal movement
- Can be curved to a minimum radius of 196"
- Field applied sealant - ensures weather tightness

## Panel Lengths:

Minimum 5' up to 50'  
Field forming available for panels over 50'  
2" Rib Height, 18" coverage standard (12.5" and 16" special order)

## Panel Depth:

2" seam depth, (system depth is 2.5" with clip)

## Product Options:

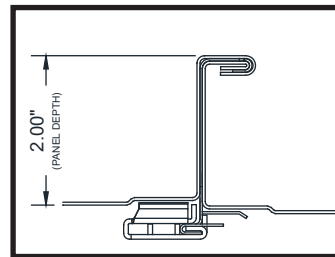
- Finishes: Kynar 500 ( PVFD) Colors and Acrylic Coated Galvalume
- Available Gauges: 24 ga Standard; 22 ga Optional
- Also available in 20 or 24 oz Copper, 0.040 Aluminum, 0.8mm Zinc
- Mechanically seamed integral side lap seam
- Single or double lock; UL rated in either seam type
- Striated surface standard
- Oil Canning is NOT a cause for rejection
- Weathertight warranty may be available, inquire for details

## Curving Data:

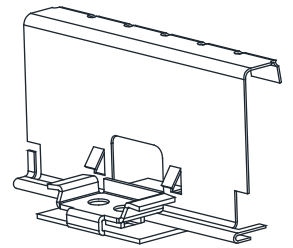
Convex Radius - 10' (3048mm) Minimum  
Concave Radius - N/A  
Field forming available if req'd

## Testing:

UL-263 Fire Resistance Rating  
UL-790 Class A Fire Resistance  
UL-2218 Class 4 Impact Resistant  
CEGS 07416 US Army Corp of Engineers Rated, ASTM E1592  
UL-580 Class 90 Wind Uplift Construction No. 90,176,180, 238,238A, 238B, 238C, 437, 449, 451, 452, 487, 506, 506A, 506B, 576, 577,583  
Miami Dade County ASTM-1897 approved: FM I 90 protocol  
ASTM 2140 Submersion Test approved PA-125(FM4471)  
ASTM E-E1646-95 Water Infiltration  
ASTM E-E1680-95 Air Filtration



OPTION MS200HPC @ 90°



MS200HPC PANEL CLIP

## Clarifications:

- All panels will be supplied with striations unless specified otherwise, in writing by purchaser.
- Rollfab utilizes top quality materials specifically designed for rollforming applications, which are tension leveled to help minimize oil canning. Oil canning is naturally inherent in sheet metal and is not grounds for rejection.
- Kynar 500 is a registered trademark of Elf Atochem North America Inc.
- Galvalume is a registered trademark of BEIC International, Inc.

Rollfab MS 200 HPC 16"				
U.S. Army Corps of Engineers: CEGS - 07416			ASTM E 1592	
	Allowable Wind Uplift Capacity, psf		Ultimate Wind Uplift Capacity, psf	
Panel Description	Design, wind pressures, psf		Design, wind pressure, psf	
Depth / Width / Gauge	"Field" of roof 60" O.C.	Leading & trailing edges 24"	"Field" of roof 60" O.C.	Leading & trailing roof 24"
2" X 16" X 24 ga.	43.5 psf	101.5	71.9 psf	167.6 psf

## Wind Uplift/Load Span 24ga @18" o.c., 3 spans

Panel Span Feet	<u>2.0</u>	<u>2.5</u>	<u>3.0</u>	<u>3.5</u>	<u>4.0</u>	<u>4.5</u>	<u>5.0</u>
Allowable Wind Uplift Pressure	223	178	127	94	73	58	47

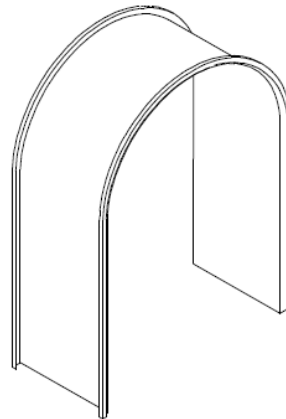
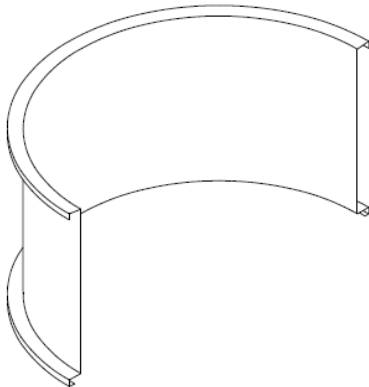
### General Notes:

- 1)The Allowable Pressure is the Ultimate Test Pressure divided by a Factor-of-Safety (Load Factor) of 1.65
- 2)The published Allowable Wind Uplift Pressure considers panel buckling strength, side joint disengagement resistance and clip/side joint interactive strength.

**AIR FILTRATION** Resistance to air filtration: 0.004 cfm per lineal foot of joint when tested in accordance with ASTM E1680 at static test pressure differential of 12.00 psf

**WATER INFILTRATION** Resistance to water infiltration: No leakage through panel joints in accordance with ASTM E1646 at static pressure differential at 20.00 psf.

- ◆ Curves standing seam panels in a convex manner in heights of 2 inch.
- ◆ The Schlebach panel-curving machine is used for arch bending (convex) of metal shapes for roofing dormers and arched or vaulted roofs.



- ◆ Curves U-panels in a convex manner in heights of 2.
- ◆ Can curve panels into an elliptical shape.