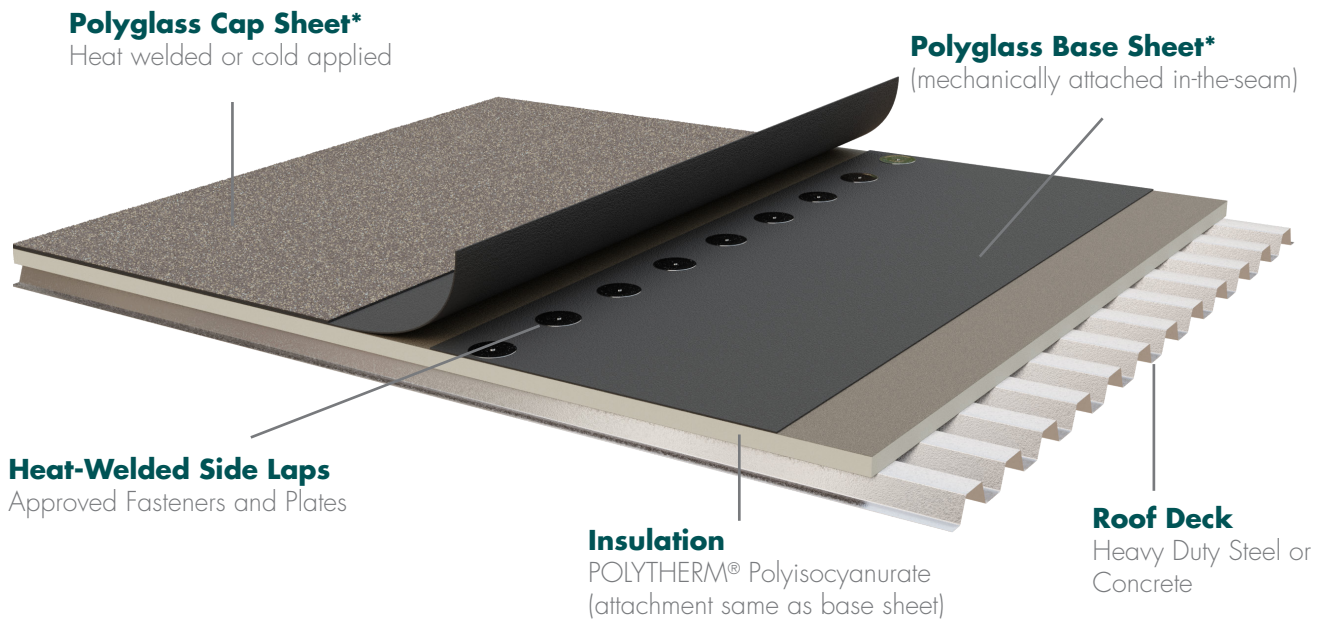


# VELOCIFLEX®

## HIGH WIND RESISTANT ROOF ASSEMBLY

Polyglass' Velociflex is a redundant, multi-ply roofing system offering multiple installation and assembly options. The base sheet is "loose-laid" and mechanically attached in the side laps, which allows for fast, efficient installation. Velociflex systems were independently tested providing for high speed wind protection up to 270 psf (pounds per square foot).

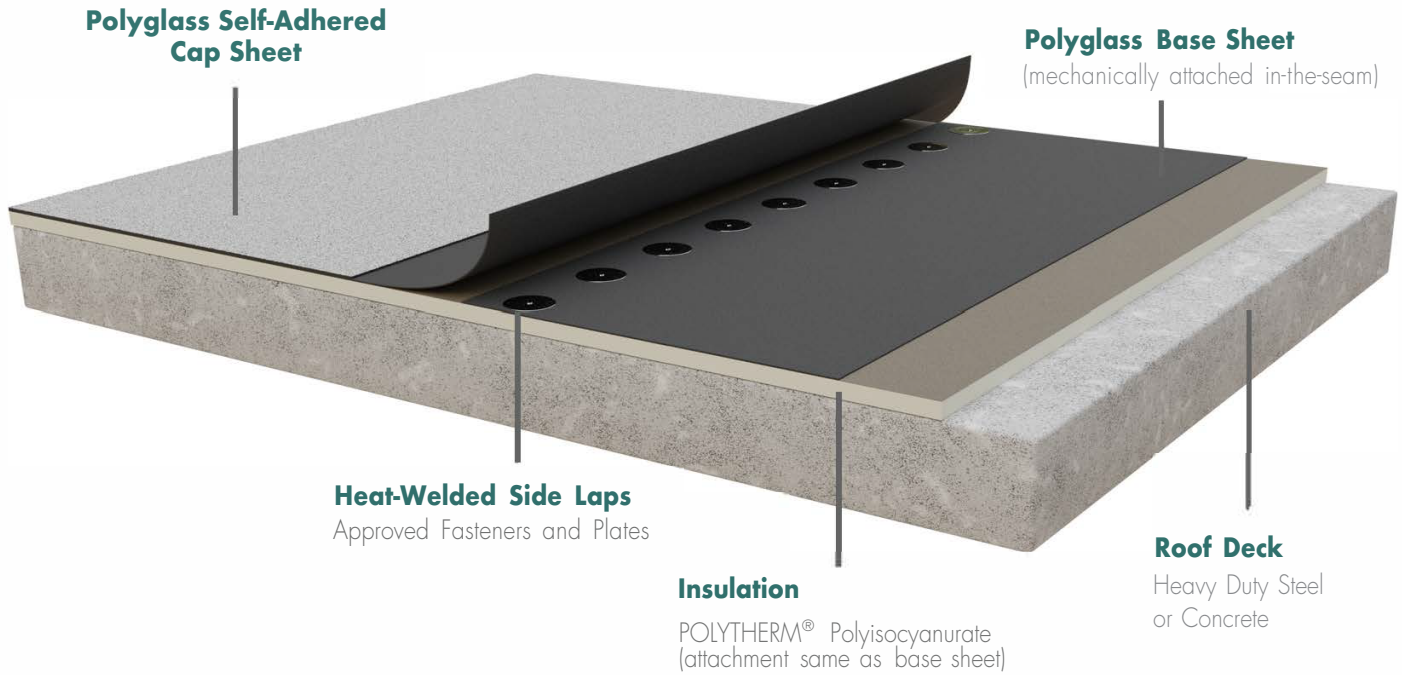


### Mechanically Fastened Base Sheets with Heat Welded Cap Sheets

Polyglass Base Sheet	Attachment Pattern*	Wind Uplift Resistance (psf)
Elastoflex S6	12" o.c.	90
Elastoflex S6	6" o.c.	120
Elastoflex S6 HP	18" o.c.	120
Elastoflex S6 HP	12" o.c.	165
Elastoflex S6 HP	6" o.c.	270
Polyflex®	12" o.c.	165

\* Attached within the 5" wide side lap (torch-sealed or heat-welded).  
Contact Polyglass Technical Support for approved fasteners and plates for desired wind uplift.

# Mechanically Fastened Base Sheets with Self-Adhered Cap Sheets Velociflex - Elastoflex S6 HP



Assembly 5	
Cap Ply	Elastoflex SA P FR, self-adhered
Base Ply	Elastoflex S6 HP, mechanically fastened to the deck Trufast #15 EHD Fastener and 2-3/4" Barbed Metal Seam Plate EHD, 18 in (152 mm) o.c. in the 5 in (127 mm) wide torch sealed side laps
Insulation	One layer of 48 x 96 x min. 1.0 in (25 mm) thick H-Shield, loose laid
Deck	Steel Deck

Panel 1	Panel 2	Panel 3
November 2021	August 2022	August 2022
<b>-45psf</b>	<b>-105psf*</b>	<b>-105psf*</b>
Failed 10 seconds into -60psf due to Cap Ply Delamination from Base Ply. Base Ply top film delamination	Failed during -120psf due to fastener withdrawal from the deck	Failed during -120psf due to fastener withdrawal from the deck
<b>Final Wind Uplift Rating</b>		
<b>-105psf*</b>		
Impression: The results indicate that a higher pressure level is not attainable without reducing the plate spacing in the laps		

\* FBC not yet available.

For additional information, please contact our Commercial Sales Team or visit [polyglass.us](http://polyglass.us).

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