



VELOCIFLEX™

HIGH WIND RESISTANT ROOF ASSEMBLY

ROOFING AND WATERPROOFING SYSTEMS

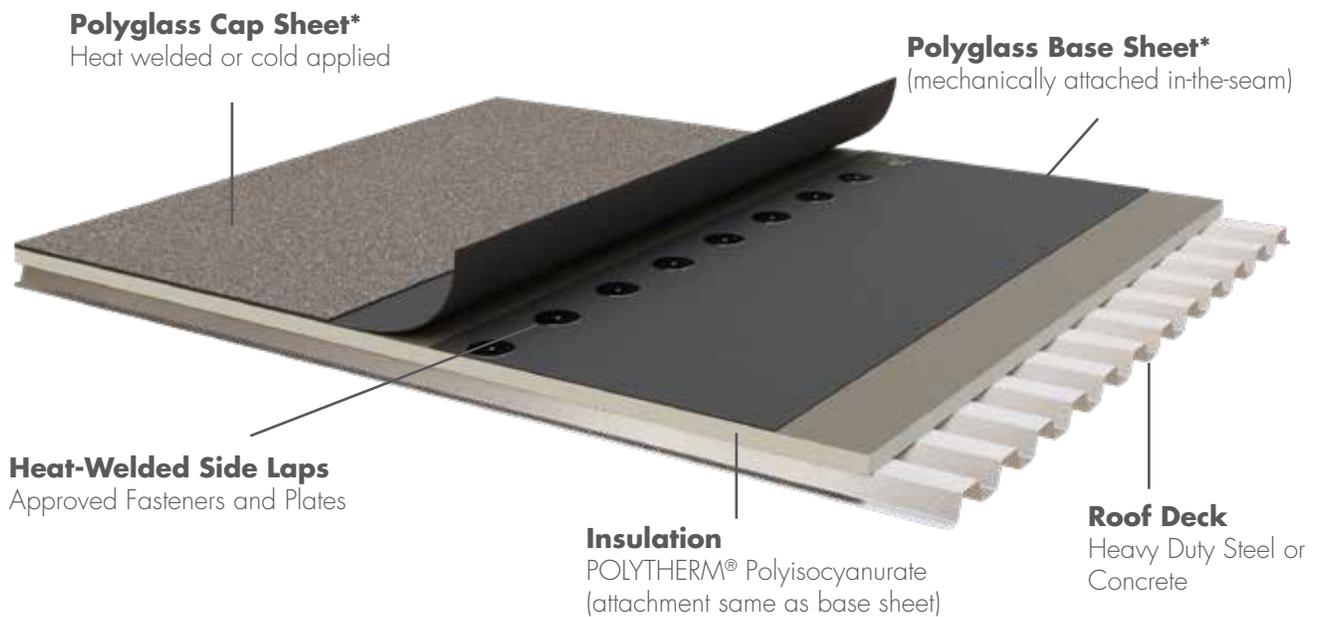
POLYGLASS

 **MAPEI**
GROUP

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).



*See approved Polyglass cap and base sheets on pages 3 - 5.



The **VELOCIFLEX** Advantage

- ✓ **Meets 'Wind Load' Performance**

Multiple base sheet and attachment pattern options, can exceed specification requirements

- ✓ **Highly Reflective Kool Roof Options**

When installed with a Polyfresko® G cap sheet, the system can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements and achieves Solar Reflective Index: 96

- ✓ **Long-Term Performance**

Redundant, multi-ply, modified bitumen roof system reinforced with high strength polyester; great for new roofing, re-roofing and recover systems

- ✓ **Tested & Certified**

UL Classified for use in Class A roofs, as listed in the latest UL Roofing Materials and Systems Director, Florida Building Code approved

- ✓ **Watertight System**

Acts as a temporary roof once base sheet seams are heat welded

- ✓ **Self Venting System**

"Loose-laid" base sheet reduces chances of blistering from substrate to membrane

- ✓ **Economical**

Base sheet is fastened in the seam only, reducing material and labor costs



VELOCIFLEX System Wind Ratings

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 Cold Applied Cap Sheets**

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

**Cold Applied Cap Sheets adhered with Polyglass PG 350 adhesive.



Warranty Protection

We stand behind our products with the most reliable warranties. Our warranty programs provide extended protection, assuring the optimum system performance is guaranteed. We continue to safeguard our customers' assets after the installation with our warranty support.



SBS BASE SHEETS

Elastoflex S6
Elastoflex S6 HP

APP BASE SHEET

Polyflex®

Polyglass Cap Sheets

Compatible with Velociflex Roofing System

SBS CAP SHEETS

Polyfresko® G SBS
 Elastoflex S6 G
 Elastoflex S6 G HP
 Elastoshield® TS G

APP CAP SHEETS

Polyfresko® G
 Polyflex® G
 Polyflex® G HP



Name	ASTM	Reinforcement	Top Surface	Bottom Surface	Nominal Thickness
SBS Cap Sheets					
Polyfresko® G SBS	D6164	Polyester	Granules	Film	160 mils (4.0mm)
Elastoflex S6 G	D6164	Polyester	Granules	Film/Sand	160 mils (4.0mm)
Elastoflex S6 G HP	D6164, Type II	Polyester	Granules	Film/Sand	160 mils (4.0mm)
Elastoshield® TS G	D6164	Polyester	Granules	Film/Sand	180 mils (4.5mm)
APP Cap Sheets					
Polyfresko® G	D6222	Polyester	Granules	Film	165 mils (4.2mm)
Polyflex® G	D6222	Polyester	Granules	Film	180 mils (4.5mm)
Polyflex® G HP	D6222	Polyester	Granules	Film	180 mils (4.5mm)

CAP SHEET COLOR OPTIONS

BLACK



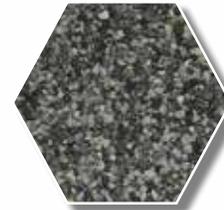
BUFF



CHESTNUT



GRAY SLATE



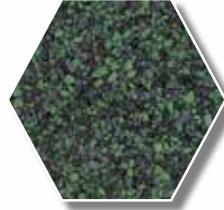
HEATHER BLEND



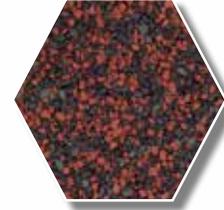
OAK



PINE GREEN



RED BLEND



WEATHERWOOD



WHITE



POLYFRESKO®
HIGHLY REFLECTIVE WHITE





POLYGLASS U.S.A., Inc.

1111 West Newport Center Drive

Deerfield Beach, FL 33442

pgmarketing@polyglass.com

Customer Service: (800) 222-9782

Technical Support: (866) 794-9659

polyglass.us

© 2022 Polyglass U.S.A., Inc. All rights reserved.

All information printed is accurate at the time of publication and may change at any time with or without notice.
For the most up to date information and data, please visit our website at polyglass.us.