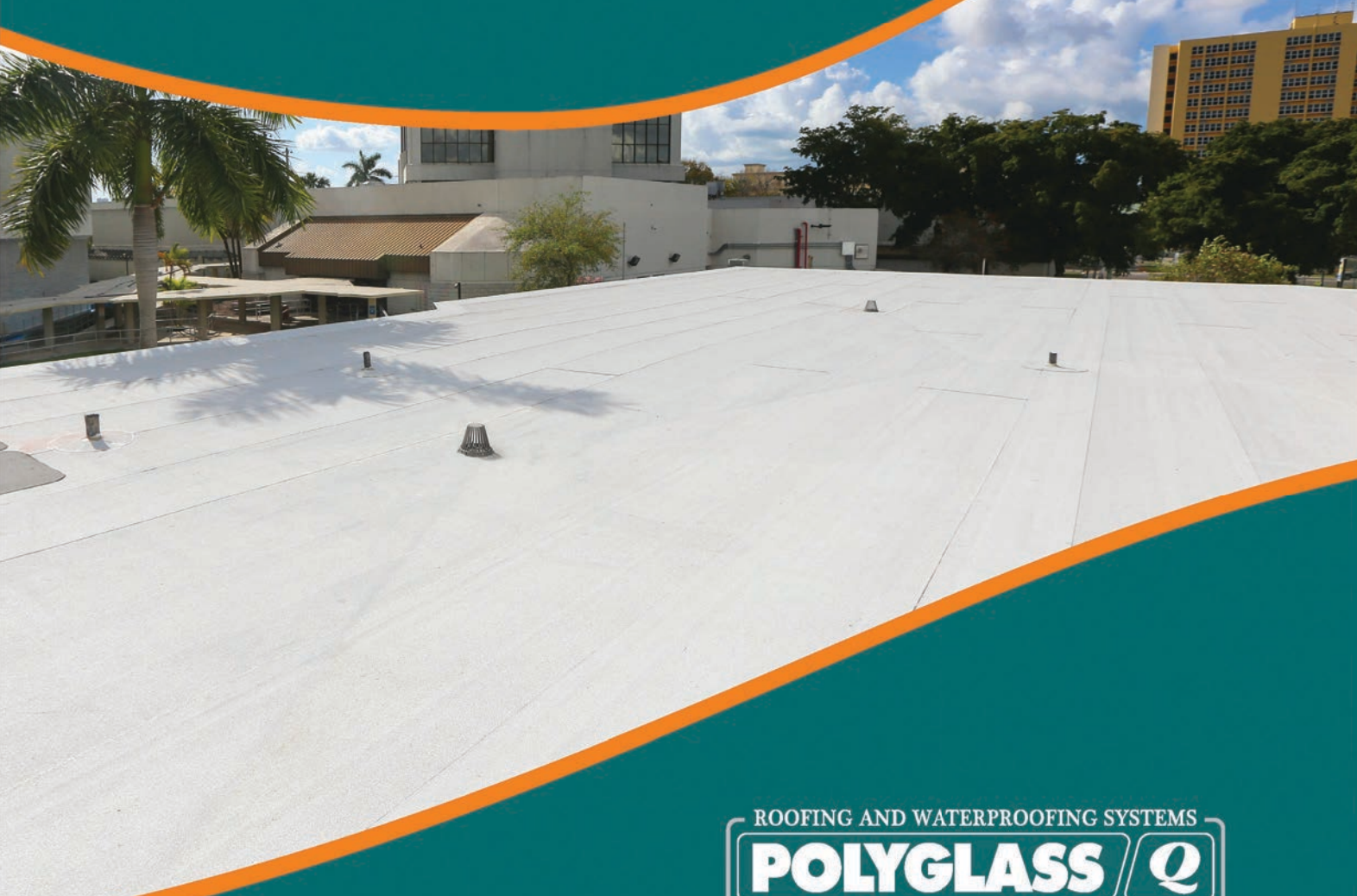




SELF-ADHERED

# MEMBRANES

For Commercial And Residential Roofing Systems



ROOFING AND WATERPROOFING SYSTEMS

**POLYGLASS**



SA MEMBRANE  
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# SA Membrane Overview

The new generation of Self-Adhered (SA) membranes manufactured with ADESO® Technology is the most innovative modified bitumen roofing product available in the industry. Polyglass® SA membranes are unique in utilizing patented dual-compound, self-adhered technology; granule-free end lap, FASTLap®; and factory-applied side lap treatment, SEALLap®. A proven performing roof system, Polyglass' SA membranes install quickly, clean and are insurance-friendly.

Polyglass' SA membranes are comprised of the latest in asphalt adhesive technology with proven waterproofing compounds which feature various surfacings to meet different needs. When installed, Polyglass' SA membranes provide a long-lasting and durable roof covering.



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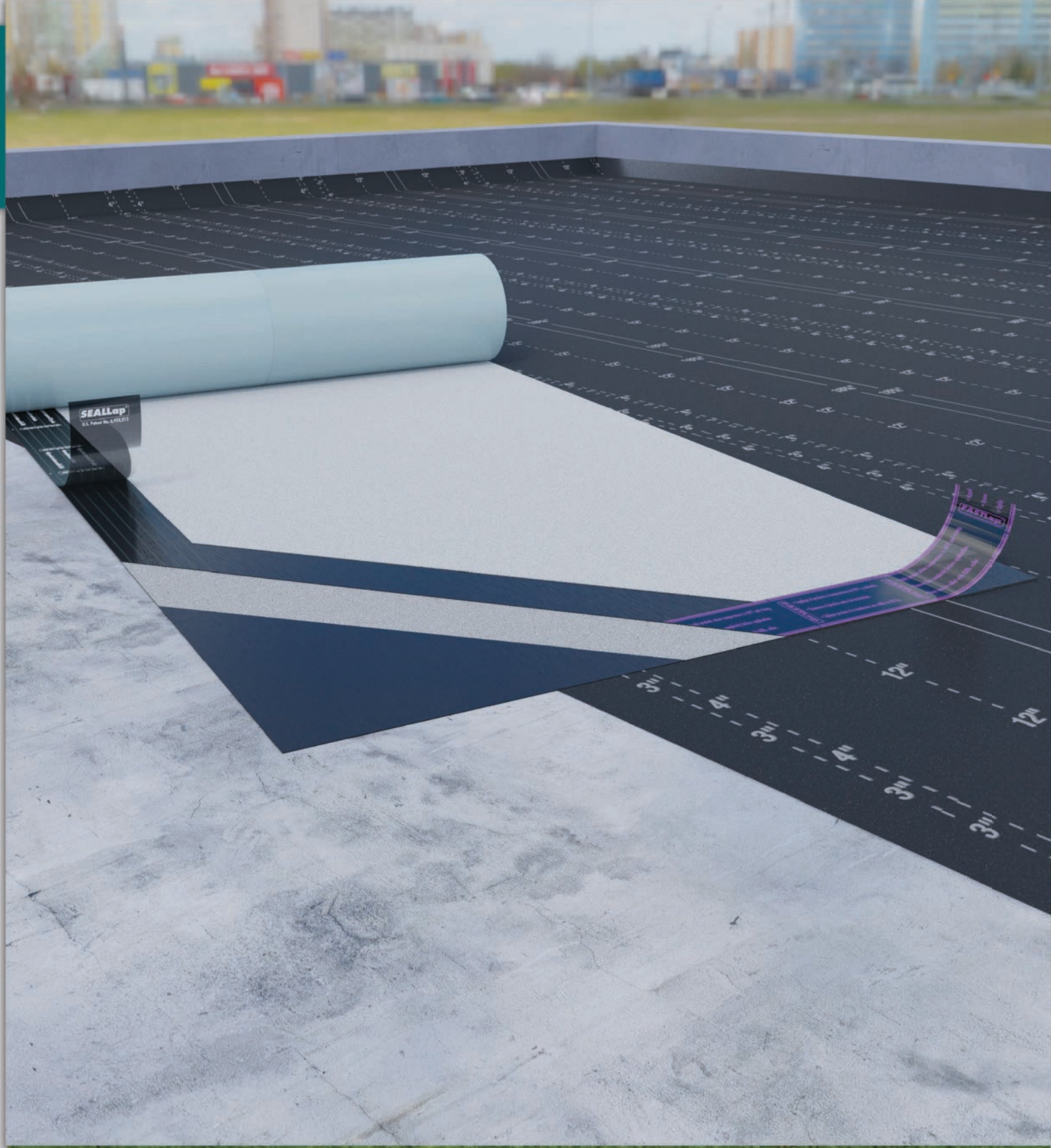
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**MVACC - Multiple Variable  
Advanced Compound Coating**

Manufactured with two distinct  
compounds on opposite sides  
of the reinforcement.



**SBS Dual-Compound**

SBS compound on weathering  
surface and a self-adhesive  
compound on bottom surface  
of the reinforcement.



**APP Dual-Compound**

APP compound on weathering  
surface and a self-adhesive  
compound on bottom surface  
of the reinforcement.



**MSS - Multiple Surface Solutions**

Variety of customized surfacings.



**FASTLap - Granule-free end lap**

Cap sheets with granule-free roll ends.



**SEALLap Factory-applied  
adhesive treatment**

Unique treatment at the membrane  
side lap to enhance sealability.



## ADESO® Technology

### What is ADESO Technology?

ADESO® Technology revolutionized the modified bitumen roofing industry by manufacturing dual-compound self-adhered membranes using a "true" APP or SBS formulation on the top weathering side and an aggressive self-adhered (or self-adhesive) formulation on the bottom side of the reinforcement.

ADESO Technology, and other innovation Polyglass patented technologies featured in our self-adhered membranes, provide for overall superior product and roof system performance.



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# SA Membrane Options

## SBS (Styrene Butadiene Styrene)

Base Sheets – Creates watertight assembly upon installation

- ELASTOFLEX SA V
- ELASTOFLEX SA V FR
- ELASTOFLEX SA V PLUS
- ELASTOFLEX SA V PLUS FR

Cap Sheets – Available in 11 colors

- ELASTOFLEX SA P
- ELASTOFLEX SA P FR
- POLYFRESKO® G SBS SA
- POLYFRESKO G SBS SA FR

## Features & Benefits

- Ease of application requiring fewer tools and eliminating time consuming application procedures
- No need for kettles, spray rigs, adhesive machines resulting in a cleaner, more environmentally-friendly job site
- NO VOC's thus no disruption to building inhabitants or neighbors due to fumes, odors and smoke
- Possible reduced insurance premiums for installers
- Superior dimensional stability
- Aggressive self-adhesive formula
- Immediate watertight seams upon proper application
- Fire retardant (FR) versions available

## APP (Atactic Polypropylene)

Base Sheets – Exceptional bonding to heat welded interply or cap sheets

- POLYFLEX® SA BASE

Cap Sheets – Available in 11 colors

- POLYFLEX SA P
- POLYFLEX SA P FR
- POLYFRESKO G SA
- POLYFRESKO G SA FR

Excellent long-term  
adhesion and application  
to a wide range of  
multiple substrates  
and base plies.



# Color Options



Black



Buff



Pine Green



Chestnut



Grey Slate



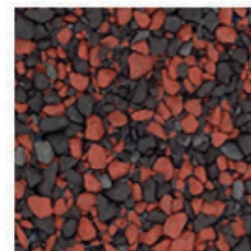
Weatherwood



Heather Blend



Oak



Red Blend



White



Polyfresko,  
Highly Reflective White

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## Kool Roof Solutions™

Polyglass is committed to providing Kool Roof Solutions for your cool roofing needs. Our highly reflective white self-adhered granulated cap sheets consist of proprietary formulations developed in our state-of-the-art laboratories and manufactured with the industry's highest quality raw materials. Whether it's our modified bitumen membranes or white roof coatings, Polyglass is driven to develop advanced, sustainable, energy-saving roofing solutions which deliver long-term value for the building owner. When choosing a solution to protect your roof, make the intelligent choice by using Polyglass Kool Roof Solutions.



### Benefits

- Maintains reflectivity and bright white appearance
- Exceptional granule retention
- Long-term performance
- Stain and discoloration resistant with UV stabilization
- No asphalt bleed-out at seams for clean appearance
- Polyester reinforcement provides superior tear strength and puncture resistance
- Featuring patented CURE Technology®



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# POLYFRESKO® G SA

Highly Reflective White Modified Bitumen Roofing Membrane

## Features:

- ASTM D6222, Type I, Table I
- Patented SEALLap Technology
- Patented FASTLap granule-free roll ends
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® Certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements
- Available in FR version with Factory Mutual Approval



 <p><b>CRRC</b> COOL ROOF RATING COUNCIL®</p> <p><b>RAPID RATINGS</b></p>		Initial	Weathered
	Solar Reflectance	0.77	0.68
	Thermal Emittance	0.90	0.88
	Rated Product ID		0616-0011a
	Licensed Manufacturer ID		0616
	Classification		Production Line
<p>*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process.</p> <p>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effects of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p>			




# POLYFRESH® G SBS SA

Highly Reflective White Modified Bitumen Roofing Membrane

## Features:

- ASTM D6164, Type I
- Patented SEALLap® Technology
- Patented FASTLap® granule-free roll ends
- UL Class A Fire Rating, on approved assemblies
- ENERGY STAR® Certified
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements
- Available in FR version with Factory Mutual Approval



 <p><b>CRRC</b> COOL ROOF RATING COUNCIL®</p> <p><b>RAPID RATINGS</b></p>		Initial	Weathered
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# UL Class A Listing for Self-Adhered Assemblies



**Committed to Innovation... Dedicated to Adding Value**

**Polyglass offers more than just world-class modified bitumen membranes. We offer products, systems & certifications...**

- UL Class A ratings at lower installed cost
- Available for slopes to 2:12, Combustible Decks, min 15/32" in thickness
- Featuring ADESO® Self-Adhered Dual-Compound Technology
- Includes Kool Roof Solutions with Polyfresko Highly Reflective White Cap Sheets
- Options for APP, SBS and Self-Adhered membranes





## What is CURE Technology?

CURE Technology is a patented thin film technology incorporated during the manufacturing process. The result is a modified bitumen membrane with greatly enhanced performance benefits without compromising the ease of installation and overall value expected from Polyglass products.

### CURE stands for:

- **C**eramic microspheres
- **U**ltraviolet stabilizers
- **R**esins
- **E**nvironmentally-friendly

### Benefits

- Vastly improved surface reflectivity and membrane emissivity
- Exceptional granule adhesion (cap sheets)
- Ultraviolet stabilizers resulting in greater durability and longevity
- Minimal scorching with torch application
- Impact, scuff and stain resistant
- Mold and fungus resistant
- Solvent-free and environmentally-friendly



### Stain-Free

- Minimal staining on the surface of the cap sheet
- Significantly resists discoloration
- Maintains its color integrity and reflectivity, even over time



### Reflectivity

- Maintains high membrane surface reflectivity
- ENERGY STAR® Certified
- Initial reflectivity above industry standards



### Granule Adhesion

- Superior granule adhesion
- Enhances the bond like no other
- Minimum loss of granules when exposed to foot traffic and other elements



### Thin Film Technology

- Revolutionary process using minimal surface finishing while maintaining granule appearance
- Increased durability
- Improved reflectivity

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# Technical Information

## SBS (Styrene Butadiene Styrene)

PRODUCT NAME	NOMINAL THICKNESS MM (MILS)	ASTM	UL	FM	ICC-ES	TDI	FBC	MD	CRRC	ENERGY STAR	CA TITLE 24
BASE SHEETS											
Elastoflex SA V	2.0 (80)	D6163, Type I	✓	✓	✓	✓	✓	✓			
Elastoflex SA V FR	2.0 (80)	D6163, Type I	✓	✓	✓	✓	✓	✓			
Elastoflex SA V Plus	2.5 (95)	D6163, Type I	✓	✓		✓	✓	✓			
Elastoflex SA V Plus FR	2.5 (95)	D6163, Type I	✓	✓		✓	✓	✓			
CAP SHEETS											
Elastoflex SA P	3.5 (140)	D6164, Type I	✓	✓	✓	✓	✓	✓			
Elastoflex SA P FR	3.5 (140)	D6164, Type I	✓	✓	✓	✓	✓	✓			
Polyfresko G SBS SA	3.6 (142)	D6164, Type I	✓		✓	✓		✓	✓	✓	✓
Polyfresko G SBS SA FR	3.6 (142)	D6164, Type I	✓	✓	✓	✓		✓	✓	✓	✓



# Technical Information

## APP (Atactic Polypropylene)

PRODUCT NAME	NOMINAL THICKNESS MM (MILS)	ASTM	UL	FM	ICC-ES	TDI	FBC	MD	CRRC	ENERGY STAR	CA TITLE 24
BASE SHEETS											
Polyflex SA Base	1.5 (60)	D1970, D6509	✓	✓			✓	✓			
CAP SHEETS											
Polyflex SA P	4.0 (160)	D6222, Type I	✓	✓	✓	✓	✓	✓			
Polyflex SA P FR	4.0 (160)	D6222, Type I	✓	✓	✓	✓	✓	✓			
Polyfresko G SA	4.0 (160)	D6222, Type I	✓		✓	✓	✓	✓	✓		✓
Polyfresko G SA FR	4.0 (160)	D6222, Type I	✓	✓	✓	✓		✓	✓		✓





# POLYGLASS' COMMITMENT TO YOU.

Polyglass values its customers and is in constant search of ways to improve products and services. Positioned in six locations across the United States, Polyglass is able to service most of the country quickly.

This access to quality inventory coupled with our team of trained Technical Representatives available for onsite support provides uncompromised service that customers can depend on.

With Polyglass, you can be assured that you will get competitively priced quality materials, customer service personnel available on both the East and West coasts and technical training and support on our many products – placing customer needs as the company's highest priority.

1 DEERFIELD BEACH, FL  
POLYGLASS USA, INC.  
North American Headquarters

2 FERNLEY, NV  
Manufacturing Facility

3 PHOENIX, AZ  
Manufacturing Facility

4 HAZLETON, PA  
Manufacturing Facility

5 WINTER HAVEN, FL  
Manufacturing Facility

6 WACO, TX  
Manufacturing Facility





Polyglass' products are designed to work together as part of a roofing system. Extended long-term, roofing system warranties are available. Contact your local Polyglass representative or visit our website, [polyglass.us](http://polyglass.us), to find out more information.



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