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SELF-ADHERED

# MEMBRANES

For Commercial And Residential Roofing Systems

WATERPROOFING MATERIALS AND INSULATING SYSTEMS

**POLYGLASS**



**MAPEI**  
GROUP

®

The new generation  
of Self-Adhered  
(SA) membranes  
manufactured with  
ADESO® Technology  
is the most innovative  
modified bitumen  
roofing product  
available in  
the industry.



## 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-adhesive technology; granule-free end lap, FASTLap®; and factory-applied side lap treatment, SEALLap®. A proven performing roof system, Polyglass' SA membranes install quickly and clean and are insurance-friendly.

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



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### MVACC - Multiple Variable Advanced Compound Coating

Manufacturing that allows application of two distinct compounds on opposite sides of reinforcement.



### SBS Dual-Compound

Manufacturing process that allows application of SBS compound on the weathering surface and a self-adhesive compound on the bottom surface of the reinforcement.



### APP Dual-Compound

Manufacturing process that allows application of APP compound on the weathering surface and a self-adhesive compound on the bottom surface of the reinforcement.



### MSS - Multiple Surface Solutions

Flexible manufacturing process that facilitates application of a variety of customized surfacings, to provide a wide array of roofing solutions.



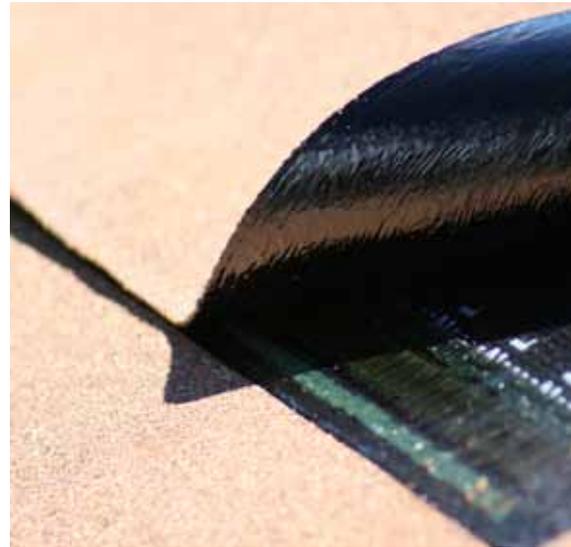
### FASTLap - Granule-free end lap

Patented process through which granulated sheet are manufactured with granule-free roll ends. End lap selvage protected by removable film.



### SEALLap Factory-applied adhesive treatment

Unique factory-applied treatment at the membrane overlap sections to enhance sealability.



# ADESO® Technology

## What is ADESO® Technology?

ADESO® Technology is a revolutionary concept of manufacturing dual-compound self-adhesive membranes using a “true” APP or SBS formulation on the top weathering side and an aggressive Self-Adhered formulation on the bottom side of the reinforcement. ADESO® Technology integrates patented features that enhance lap sealing and allows product design with a variety of customized surfaces.



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



# SA Membrane Options

## SBS (Styrene Butadiene Styrene)

Base Sheets – Creates watertight assembly upon installation

- ELASTOFLEX SA V BASE
- ELASTOFLEX SA V BASE FR

Cap Sheets – Available in 10 colors

- ELASTOFLEX SA P
- ELASTOFLEX SA P FR

## APP (Atactic Polypropylene)

Cap Sheets – Available in 10 colors

- POLYFLEX SA P
- POLYFLEX SA P FR

## Features & Benefits

- Excellent long-term adhesion and application to a wide range of substrates and base membranes
- 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 VOCs 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

## Color Options/Color Options



Buff



Grey Slate



Oak



Black



White



Pine Green



Red Blend



Heather Blend



Chestnut



Weatherwood



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# Kool Roof Solutions

Polykool® SA membranes are premium, self-adhered, fire-rated, modified bitumen roofing products, manufactured via patented ADESO® Dual-Compound technology, whereby the membrane consists of an APP compound on the top layer and an aggressive self-adhesive compound on the bottom layer. Polykool self-adhered membranes are built with a high performance reinforced polyester mat to ensure excellent dimensional stability. Polykool SA membranes are a patent-pending polymer-based, bright white and highly reflective film laminate weathering surface.

## Features & Benefits

- High performance membrane with built-in energy efficiencies
- Self-cleaning and stain resistant surface
- Resistant to surface contaminants (animal fats, grease and oils)
- Excellent long-term adhesion and application to a wide range of substrates and base membranes
- 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 VOCs 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

**Polykool SA membranes are premium, highly reflective, self-adhered, fire-rated, modified bitumen roofing products.**



## Approved Substrates

SUBSTRATE TYPE	CLEANING METHOD	PRIMER NEEDED
Poly ISO 2 (felt facer only, no foil faced)	Sweep	None
High Density Wood Fiberboard - coated six-sides (only)	Sweep	None
Concrete (min. 30-day cure)	Sweep	ASTM D41 Asphalt Primer
Metal Flashings	Wipe	ASTM D41 Asphalt Primer*
New Plywood Decking	Sweep	Not normally required*
New O.S.B. – rough surface face up (do not adhere to smooth waxed surface)	Sweep	Not normally required*
Aged Wood Surfaces	Sweep	ASTM D41 Asphalt Primer*

\* Approved acrylic water-based primer optional



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# Technical Information

## SBS (Styrene Butadiene Styrene)

Self-Adhered Base Sheets – Creates watertight roof upon installation

### ELASTOFLEX SA V BASE

80 mils thick

ASTM D1970

Miami Dade Approved

### ELASTOFLEX SA V BASE FR

80 mils thick

ASTM D1970, D6163

UL Class A Fire Rated

FM Approved

Miami Dade Approved

Self-Adhered Cap Sheets – Available in 10 colors

### ELASTOFLEX SA P

140 mils thick

ASTM D6164; Type I

UL Classified

FM Approved

Miami Dade Approved

### ELASTOFLEX SA P FR

140 mils thick

ASTM D6164; Type I

UL Classified

UL Class A Fire Rated

FM Approved

Miami Dade Approved

## APP (Atactic Polypropylene)

Self-Adhered Cap Sheets – Available in 10 colors

### POLYFLEX SA P

140 mils thick

ASTM D6222

UL Classified

Miami Dade Approved

### POLYFLEX SA P FR

140 mils thick

ASTM D6222

UL Class A Fire Rated

FM Approved

Miami Dade Approved

Self-Adhered Kool Roof Solution

### POLYKOOL SA

140 mils thick

ASTM D6222

UL Class A Fire Rated

FM Approved

Miami Dade Approved

Cool Roof Rating Council

ENERGY STAR® Compliant

California Title 24 Compliant



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# POLYGLASS' COMMITMENT TO YOU.

Polyglass values its customers and is in constant search of ways to improve products and services. Positioned in three 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.

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**MAPEI**  
G R O U P

®

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 **MAPEI**  
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*Adds value!*

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