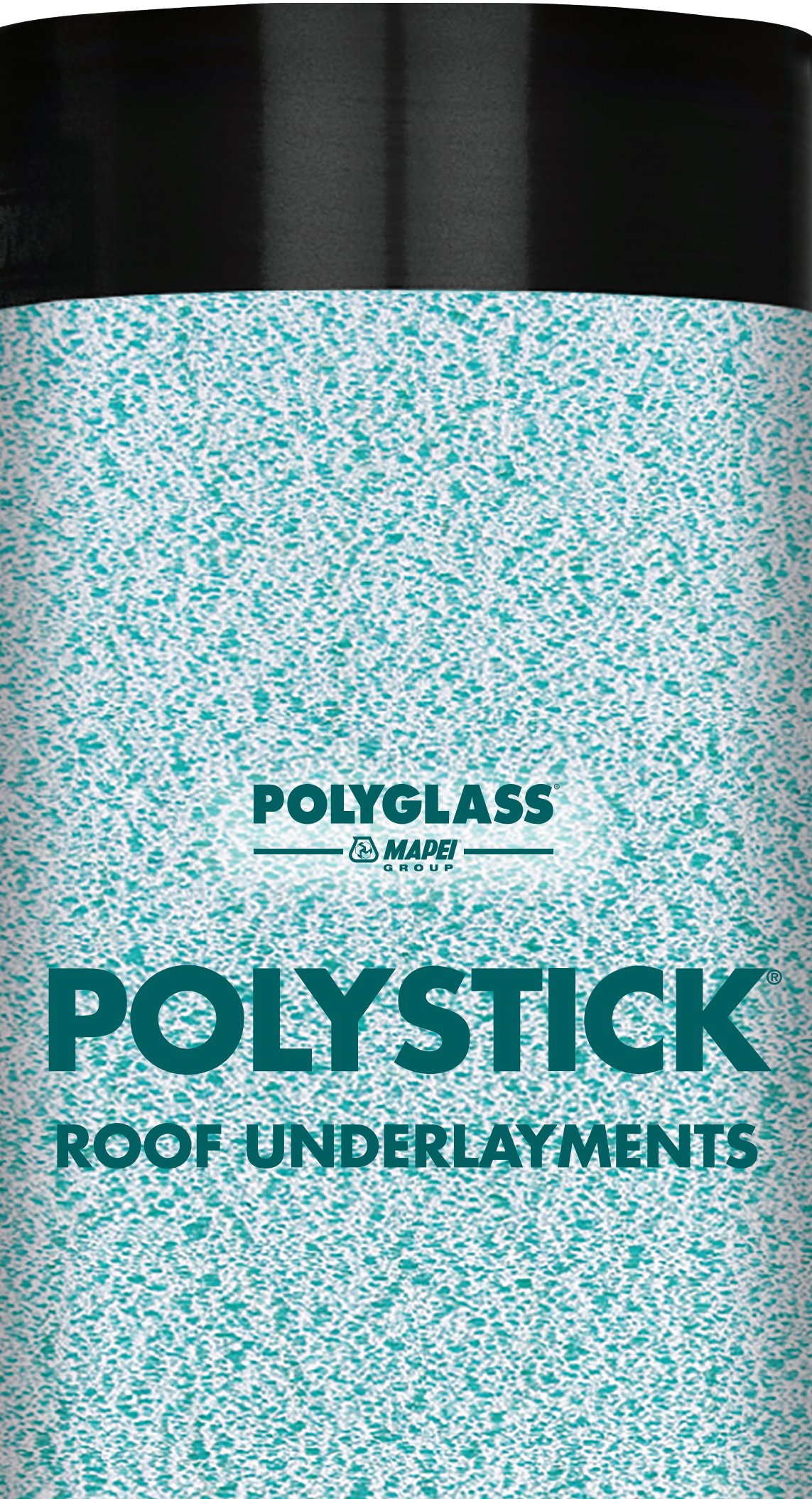

POLYGLASS®
MAPEI GROUP
POLYSTICK®
ROOF UNDERLAYMENTS

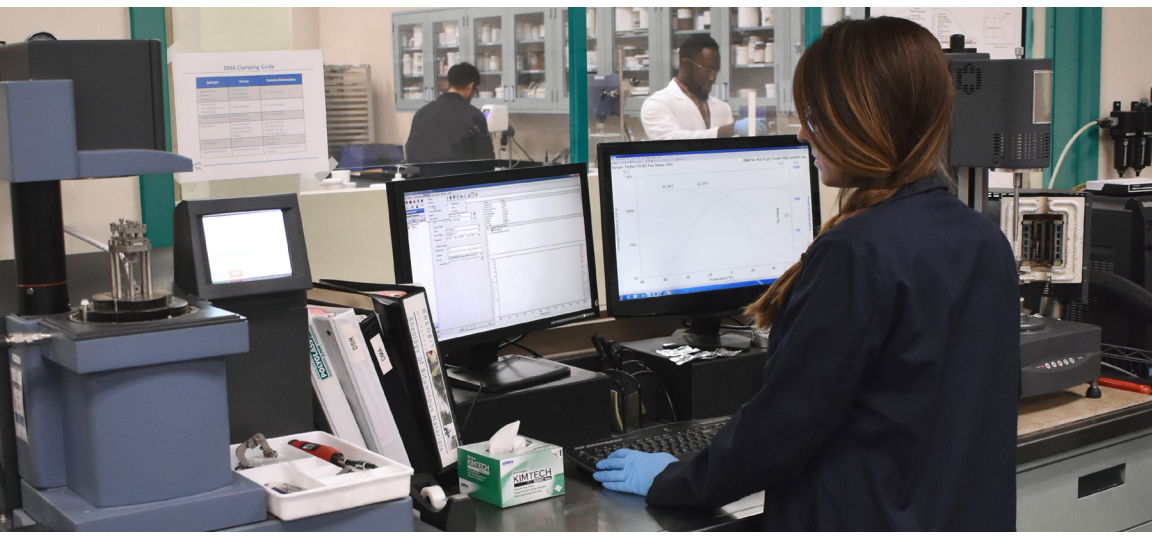
About Polyglass

Polyglass is an ISO 9001:2015 Certified leading manufacturer of high-quality modified bitumen roofing and waterproofing solutions, with over 30 years of experience in the United States.

Committed to adding value through innovation, Polyglass utilizes the most technologically advanced manufacturing process in the industry with six state-of-the-art manufacturing facilities- five in North America and one in Italy which services all of Europe.

Since 2008, Polyglass has been a part of the Mapei® Group, a multi-billion-dollar manufacturer in the building industry. Together we represent over 130 years of combined experience in the production and support of building envelope products and solutions, with 95 manufacturing facilities spanning 36 countries on 5 continents.

Polyglass prides itself in providing innovative and quality waterproofing products which exceed the needs and expectations of its customers all around the world. This commitment is demonstrated daily by the people that work for Polyglass where the customers' needs always come first.



Research & Development

As a leading company in the modified bitumen membrane waterproofing and roofing products category, Polyglass has consistently innovated throughout its history. Our patent portfolio includes but not limited to: "ADESO®" - a groundbreaking self-adhered dual-compound membrane, "Burn-Shield Technology®" - offers fire resistance capable of achieving the highest level of fire ratings, and "Hi-Tread™" - surface embossing with slip-resistant diamond plate pattern.

Our multidisciplinary Research & Development team is comprised of Ph.Ds., chemists, material scientists and chemical, civil and mechanical engineers that interact with other departments to play a critical role in the development of new products, processes, innovations and ideas. R&D contributes to achieving our company's goals through the optimization of the manufacturing process, by implementing cost effective and improved installation techniques and by controlling the selection and approval of raw materials ensuring our customers receive quality products at an exceptional value that meet and exceed environmental, health and safety regulations.

The Research & Development department embraces and understands the many difficulties of meeting the demands of the building and waterproofing industries and is well equipped to meet these future challenges. Our research laboratories are equipped with cutting edge analytical and physical testing equipment to push the boundaries in the development of novel and innovative products and technologies that better serve our customer's needs and expectations.

Why Use Polyglass Polystick® Self-Adhered Underlayments?

When deciding on what roof assembly to install, a quality roof underlayment can play a critical role in the performance of the roof system.

Provide your customers with the most technically advanced and time tested underlayment products on the market; build your business with long-term satisfied clients, reduced installation costs and fewer call backs.

Polyglass produces quality roof underlayments for steep slope roofs with:

- ADESO® Self-Adhered Dual-Compound Technology*
- Split-release film/paper for ease of installation
- Nail seal-ability
- Watertight protection

*except for Polystick P

- Warranty up to 30 years
- Safe: no flames, fumes or odors
- Increased labor efficiency and roof dry-in speed

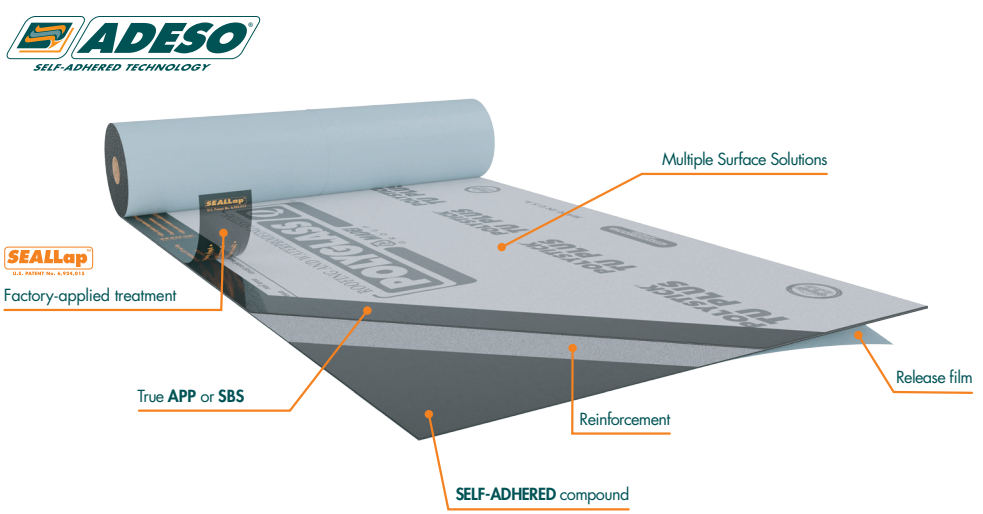
Patent pending Burn-Shield Technology® provides fire resistance capable of achieving the highest level of fire ratings

Underlayments with ADESO® Self-Adhered Technology

ADESO Technology revolutionized the modified bitumen 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 formulation on the bottom side of the reinforcement.

ADESO® and other innovative Polyglass technologies provide for overall superior product and roof system performance:

- Patented SEALLap® on select underlayments, a factory-applied adhesive treatment along the side lap
- Surfaces engineered for superior slip resistance and long-term performance
- Asphaltic compound provides excellent weathering characteristics



HIGH TEMP UNDERLAYMENTS:



POLYSTICK® XFR

Self-Adhered Fire-Resistant High Temp Underlayment
Waterproofing and Class A fire resistance in a single layer* under metal and other approved roof coverings.

- Fire spread/penetration and ember resistance in systems tested under UL 790
- Cavitated anti-skid top film surface for improved walkability
- Fiberglass reinforced for added strength and fire resistance
- Robust 80 mils (2 mm) of waterproofing rubberized asphalt
- Approved up to 265°F
- Max 180 days UV exposure

* Refer to published UL product listings (TGFU.R25992) for specific fire rated assemblies

POLYSTICK® P HT

Premium Flexible Self-Adhered Ice & Water High Temp Underlayment
Highly flexible waterproofing barrier against water infiltration and ice dam conditions in high temp applications.

- Highly flexible; ideal for flashing around roof penetrations and transitions and other critical areas
- Hi-Tread™ surface embossing with slip-resistant diamond plate pattern
- Designed for steel or aluminum metal systems
- Rubberized asphalt bleed-out along edge ensures watertight seam
- Approved up to 250°F
- Max 180 days UV exposure

HI-TREAD™





POLYSTICK® PX HT

Flexible Self-Adhered Ice & Water High Temp Underlayment
A flexible, self-adhered high-temperature underlayment engineered for sloped roofing systems and demanding weather conditions.

- Approved for applications up to 240°F
- Ideal underlayment for high-temp roof coverings like metal, tile and shingles.
- Featuring a durable woven polyolefin facer for exceptional tear resistance, UV stability, and enhanced walkability
- Split release film for easy application
- Max 120 days UV exposure

POLYSTICK® MTS PLUS

Self-Adhered Multi-Purpose High Temp Underlayment
Versatile waterproofing barrier against water infiltration and ice dam conditions in high temp applications.

- Approved for applications up to 265°F
- Designed for steel, aluminum, and copper metal systems
- Fiberglass reinforcement for added strength and dimensional stability
- Split release film for easy application
- Cavitated ant-skid top film surface for improved walkability
- Max 180 days UV exposure



POLYSTICK® MX



Self-Adhered High Temp Underlayment
Waterproofing barrier against water infiltration and ice dam conditions in high temp applications.

- Approved for applications up to 250°F
- Designed for steel or aluminum metal systems
- Fiberglass reinforcement for added strength and dimensional stability
- Split release film for easy application
- Unbranded cavitated ant-skid top film surface
- Max 90 days UV exposure



Polystick MTS PLUS can be used as a single layer high temp underlayment or as a base layer in a two-ply system for up to 30 year warranty.



Polystick XFR provides tested ember & fire resistance for urban areas and regions prone to wildfires



Polystick TU Plus has been a proven wind and waterproofing barrier for over 20 years.

TILE UNDERLAYMENTS:

POLYSTICK® TU PLUS

SEALLap™ U.S. PATENT No. 6,924,015

Self-Adhered Reinforced Wind & Water Tile Underlayment
Dual-reinforced waterproofing barrier designed against wind driven rain under roof tile applications. Robust membrane provides extra resistance to tile and substrate imperfections, ideal for re-roofing applications.



- Dual reinforcement provides added puncture resistance and support for heavy roofing tiles
- Polyester mat surface engineered for slip resistance and strong foam set adhesion
- Strong foam adhesive bond to top fabric & aggressive self-adhered bottom surface for increased wind-uplift resistance
- Patented SEALLap® technology, factory-applied adhesive for fast watertight seams
- Approved up to 265°F
- Max 360 days UV exposure or as limited by local building codes



POLYSTICK® TU MAX

SEALLap™ U.S. PATENT No. 6,924,015

Self-Adhered Wind & Water Tile Underlayment
Waterproofing barrier against wind driven rain under roof tile applications. Flexible and lay-flat characteristics ideal for new construction applications.

- Tough polyester reinforced surface engineered for slip resistance and proven foam set adhesion
- Strong foam adhesive bond to top fabric and aggressive self-adhered bottom surface provides excellent wind uplift resistance
- Patented SEALLap® Technology, factory-applied adhesive for fast watertight seams
- Approved up to 250° F
- Max 180 days UV exposure

POLYSTICK® TU P

SEALLap™ U.S. PATENT No. 6,924,015

Self-Adhered Reinforced Granule-Surfaced Tile Underlayment
Ultra-tough waterproofing underlayment engineered for use in roof tile applications.



- Mineral granules top surface provides maximum skid resistance
- Tough 130 mil thick & polyester-glass mat reinforced, scuff and puncture resistant
- Robust membrane holds-up to demands of heavy tile roofs
- Patented SEALLap® Technology, factory-applied adhesive for fast watertight seams
- Extended UV exposure time up to 36 months

SHINGLE UNDERLAYMENTS:



POLYSTICK® IR-XE

Self-Adhered Ice & Water Protection Shingle Underlayment
Water infiltration and ice dam protection underlayment for full roof covering or critical areas.

- Surface engineered for superior slip resistance and long-term performance
- Asphaltic compound provides excellent sealability around nails
- Self-adhered technology increases labor efficiency and roof dry-in speed
- Asphaltic compound provides excellent weathering characteristics and nail seal-ability

POLYSTICK PRODUCT	PRIMARY APPLICATION	OTHER APPROVED APPLICATIONS	HIGH TEMP	MAX EXPOSURE DAYS	INTERNAL REINFORCEMENT	SURFACE	NOMINAL THICKNESS	NET COVERAGE
Polystick XFR	Metal[1]	Wood/Asphalt Shingles, Synthetic Tile	265°F	180	Fiberglass	Cavitated Film	80 mils (2.0 mm)	150 ft² (13.9m²)
Polystick P HT	Metal[2]	Asphalt Shingles/ Synthetic Tile	250°F	180	None	Polyolefin Composite Film	40 mils (1.0 mm)	200 ft² (18.5m²)
Polystick PX HT	Metal	Asphalt Shingles/Tile[6]	240°F	120	None	Polyolefin Multi-layer Facer	40 mils (1.0 mm)	200 ft² (18.5m²)
Polystick MTS Plus	Metal[3]	Tile[4], Slate	265°F	180	Fiberglass	Cavitated Film	60 mils (1.5 mm)	200 ft² (18.5m²)
Polystick MX	Metal[2]	Asphalt Shingles	250°F	90	Fiberglass	Cavitated Film	50 mils (1.3 mm)	200 ft² (18.5m²)
Polystick TU Plus	Clay/ Concrete Tile	Slate	N/A	360[5]	Fiberglass	Polyester Fabric	80 mils (2.0 mm)	200 ft² (18.5m²)
Polystick TU Max	Clay/ Concrete Tile	Slate	N/A	180	None	Polyester Fabric	60 mils (1.5 mm)	200 ft² (18.5m²)
Polystick TU P	Clay/ Concrete Tile	Slate	N/A	1080[5]	Fiberglass	Mineral	130 mils (3.3 mm)	100 ft² (9.3m²)
Polystick IR-Xe	Asphalt Shingles	N/A	N/A	90	Fiberglass	Mineral	52 mils (1.3 mm)	200 ft² (18.5m²)
ACCESSORIES								
Polystrip SA	Roof Deck Joints	N/A	250°F	60	None	Woven Polyolefin Film	40 mils (1.0 mm)	67 ft (20.4 m) linear per roll

1. Achieves UL Class A fire rating as part of a roof covering assembly. Refer to published UL product listings (TGFU.R25992) for specific fire rating assemblies
2. Steel and Aluminum Metal Coverings
3. Aluminum, Steel, or Copper Metal Coverings
4. As base membrane or anchor sheet when covered with Polystick TU Plus or Polystick TU Max membranes
5. Or as limited by local building codes
6. For mechanically attached tile application only.

All values are nominal at time of manufacturing and properties are "as manufactured" unless otherwise noted. Coverages are nominal and approximate and can vary depending on application method and selvage configuration.

Warranty Protection

We stand behind our products with the most reliable warranties in the industry. 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.

Polystick Roof Underlayments meet or exceed industry code approvals*:

- ASTM
- UL Classified
- ICC-ES
- Miami Dade County Approved
- Florida Building Code
- Texas Department of Insurance
- Listed by California State Fire Marshall

*See product Data Sheets for product-specific approvals.

SEALap®
U.S. Patent No. 6,924,015
EMT10686-P-06/19

- Apply products when the temperature is 40°F and r
- Remove film completely before application.
- Sheet must be rolled with 80 lb. roller.

POLYGLASS®
MAPEI GROUP

POLYGLASS U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
pgmarketing@polyglass.com
Customer Service: (800) 222-9782

polyglass.us

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