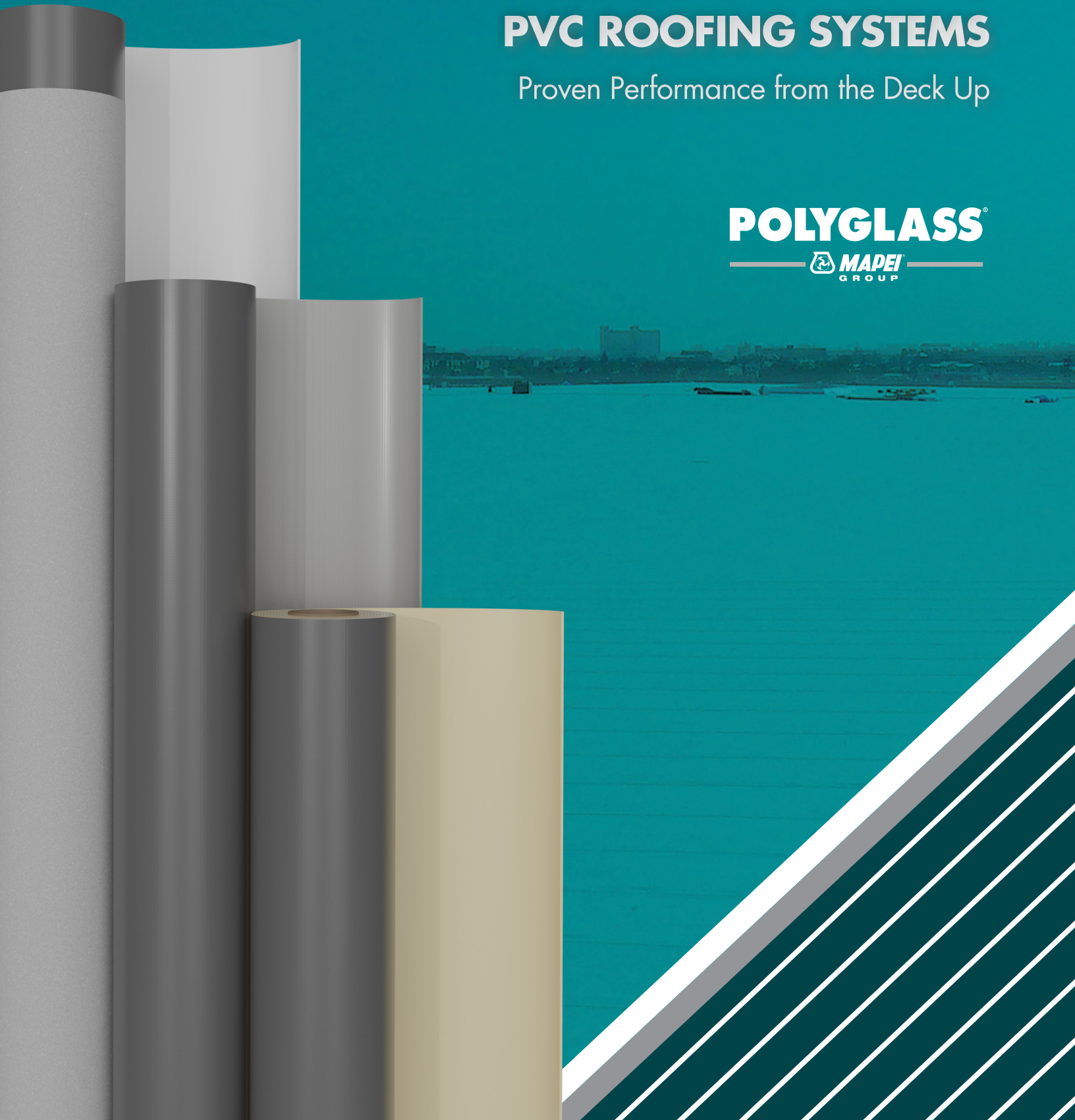


MAPEPLAN[®] PVC

PVC ROOFING SYSTEMS

Proven Performance from the Deck Up

POLYGLASS[®]





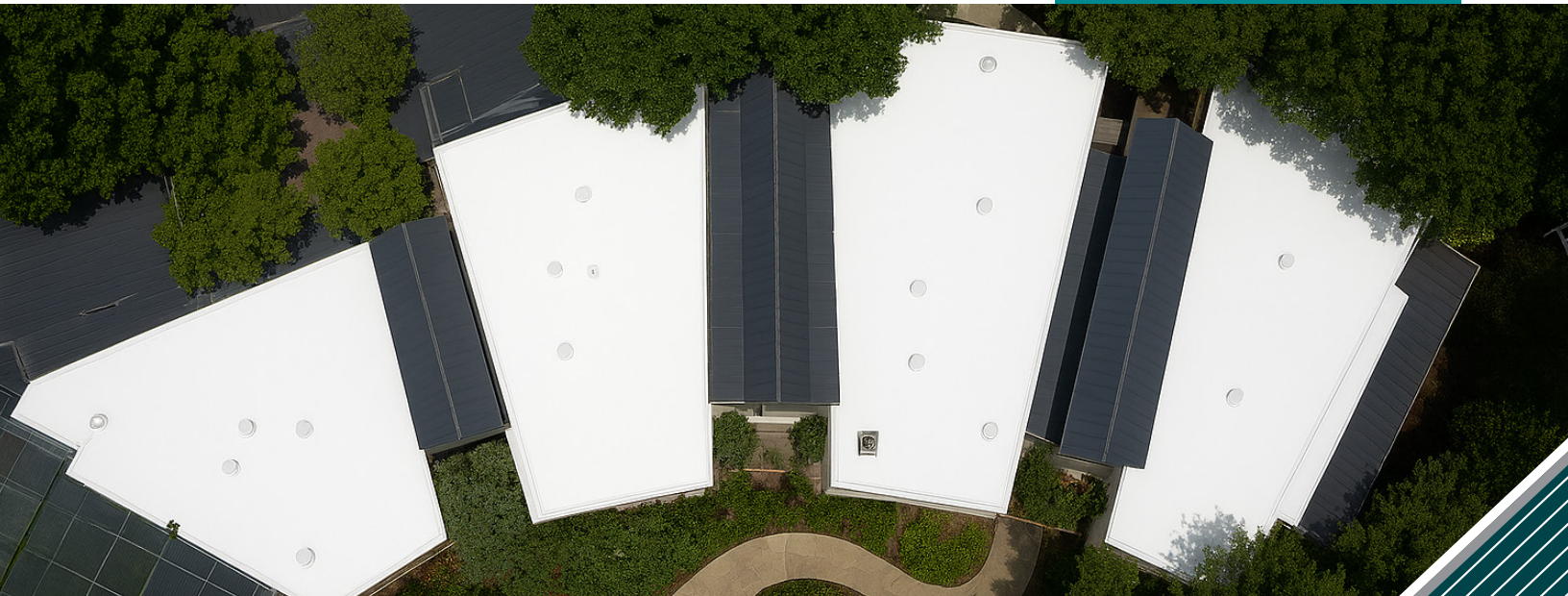
MAPEPLAN® PVC PVC ROOFING MEMBRANES

Building on our Roofing Expertise

Polyglass USA, a leader in roofing and waterproofing solutions, has built its reputation on delivering strength and long-term durability across the building envelope. Backed by the global expertise of the MAPEI® Group, Polyglass brings decades of innovation and proven field performance to every system.

Now available in the United States, Mapeplan PVC single-ply roofing membranes deliver the proven flexibility, chemical resistance, and high performance of advanced PVC technology for modern low-slope roofing systems.

**With over 17
years of proven
performance and
9 million square
feet installed
across Europe,
MAPEPLAN® PVC
membranes
bring a legacy
of reliability and
innovation to the
U.S. market.**



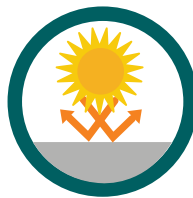
HIGH-PERFORMANCE PVC ROOFING SYSTEMS

Designed as a Complete Roofing System, Mapeplan PVC integrates high-performance membranes with compatible components to deliver long-term reliability across a wide range of low-slope applications.

Inherently fire resistant and self-extinguishing, Mapeplan PVC membranes provide superior fire performance. Hot-air welded seams create a monolithic, watertight bond, while a wide weld window supports consistent installation and helps minimize leak potential.

Mapeplan PVC resists harsh chemicals, ponding water, and UV exposure, while offering high reflectivity for energy efficiency and flexibility for installation—even in low temperatures.

The Mapeplan PVC System includes a full range of compatible bonding adhesives and prefabricated accessories, creating a complete Polyglass roofing system from the deck up, supported by technical expertise and warranty protection.



A COMPLETE ROOFING SYSTEM, FROM THE DECK UP

Mapeplan PVC systems are designed for full compatibility across all components, ensuring reliable performance and long-term durability.

PVC Membranes

High-performance single-ply membranes engineered for durability, flexibility, and long-term protection across low-slope roofing systems.

Available in standard and fleeceback configurations to support new construction, reroofing, and recover applications.

Bonding Adhesives

Engineered for strong, reliable adhesion across a range of substrates and conditions.

Low-VOC solvent-based and water-based options, including canister delivery systems for a variety of applications.

Prefabricated Accessories

Designed to simplify detailing and ensure watertight performance at critical transitions.

Includes preformed components for penetrations, corners, and typical details to reduce field fabrication.

Air & Vapor Barriers

Help control moisture, improve thermal performance, and protect the building envelope.

Form continuous, impermeable layers that limit air infiltration and vapor migration.

Insulation & Coverboards

Provide thermal efficiency, compressive strength, and system stability.

Compatible with a range of roof assemblies to support energy performance and durability.

Fasteners & Plates

Support secure attachment and system performance across assembly types.

Includes mechanical fastening and induction welding options for varied deck conditions.



MEMBRANE OPTIONS FOR EVERY PROJECT

Choose between two high-performance Mapeplan PVC membrane options, each designed to align with specific project conditions and installation methods while delivering consistent, reliable performance.

Mapeplan® PVC PVC Roofing Membrane



Mapeplan PVC membranes are engineered to perform in demanding environments, delivering excellent wind uplift resistance for high-wind and coastal regions while maintaining secure adhesion and preventing membrane displacement.

Their durability supports use in hail-prone areas, with enhanced tear strength and puncture resistance for long-term performance.



Mapeplan® PVC FB Fleeceback PVC Roofing Membrane



Mapeplan PVC FB membranes with fleece backing are ideal for new construction, reroofing, and recover applications, allowing installation over existing roofs to reduce labor, avoid tear-off, and minimize disposal costs.

This approach helps accelerate project timelines while maintaining system performance and long-term reliability.



COMPREHENSIVE MEMBRANE RANGE & APPLICATION MATRIX

| PRODUCT OFFERINGS | THICKNESS ¹ | WIDTH | COLOR OPTIONS ² | INSTALLATION METHODS ³ | |
|--|------------------------|---------|----------------------------|---|--|
| MAPEPLAN® PVC PVC Roofing Membrane | 60mil, 80mil | 5', 10' | White, Gray, Tan | Mechanically Attached | Adhered |
| MAPEPLAN® PVC FB Fleeceback PVC Roofing Membrane | | 10' | | <ul style="list-style-type: none"> Through-seam fastening Induction welding | <ul style="list-style-type: none"> Compatible with approved Polyglass adhesives |
| | | | | Adhered | <ul style="list-style-type: none"> Compatible with approved Polyglass adhesives |

1. Both configurations available in minimum and nominal thickness

2. Custom colors available upon request

3. Additional applications: Hybrid Systems – Combine modified bituminous systems and PVC; Metal Retrofit – Engineered for metal roof recovers

PERFORMANCE AND PROTECTION BUILT IN



Fire Resistance

Inherently fire resistant and self-extinguishing for superior fire performance.



Superior Seam Strength

Hot-air welded seams create a watertight bond with reduced leak potential.



Chemical Resistance

Resists aggressive chemicals including oils, greases, and industrial contaminants.



Ponding Water & UV Resistance

PVC's proven chemistry provides long-term flexibility and resistance to ponding water and UV exposure.



Energy Efficiency

Reflective surfaces help reduce cooling loads and support energy goals.



Ease of Installation

Flexible formulation supports efficient installation, even in low temperatures.



ENGINEERED FOR DEMANDING APPLICATIONS

Mapeplan PVC systems are suitable for use in a wide range of low-slope applications and environmental conditions. Designed for commercial roofing systems, they deliver long-term value through energy efficiency, chemical resistance, and protection against grease and industrial contaminants.

Ideal for building types including:



Commercial and Industrial Facilities



Food Service and Processing Environments



Healthcare and Educational Buildings



Data Centers, Airports, and Critical Infrastructure

Mapeplan PVC systems help extend roof life, reduce maintenance, and support comfortable indoor environments.

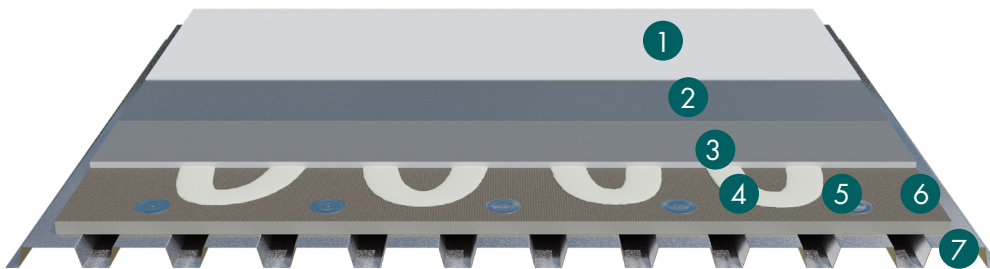
FLEXIBLE INSTALLATION OPTIONS FOR EVERY PROJECT

Mapeplan PVC systems offer multiple installation methods to accommodate project requirements, jobsite conditions, and building types. Each approach delivers reliable performance while providing flexibility for new construction and reroofing applications.

Adhered Systems

Smooth appearance with enhanced wind uplift resistance.

Installed using approved bonding adhesives and Polyglass LRF low-rise foam adhesives.

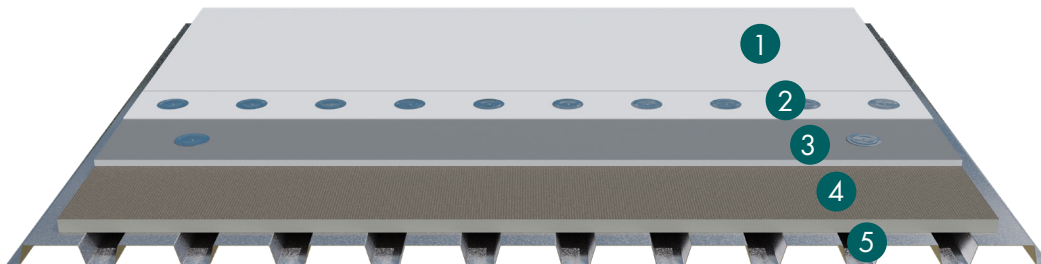


1. Mapeplan® PVC
2. Mapeplan® P Bonding Adhesive
3. Coverboard
4. Polyglass® LRF (ribbon)
5. Plates and Fasteners
6. Polytherm® Polyiso Insulation
7. Steel Deck

Mechanically Attached Systems

Fast, efficient installation for large commercial buildings.

Available with in-seam fastening or induction-welded attachment methods with heat-welded seams.

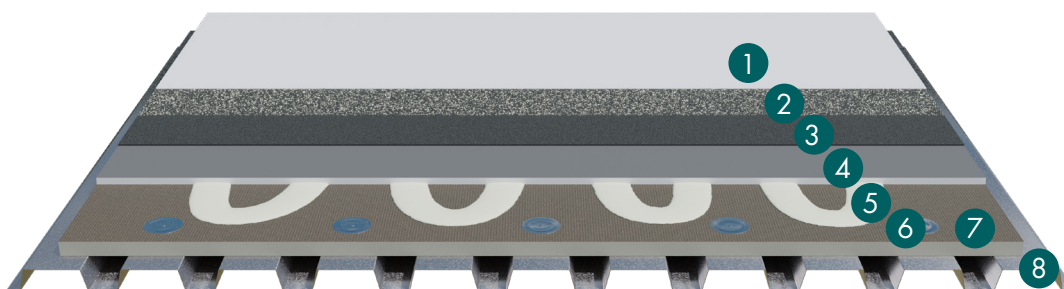


1. Mapeplan® PVC
2. Plates and Fasteners
3. Coverboard
4. Polytherm® Polyiso Insulation
5. Steel Deck

Hybrid Systems

Combining the strength of bituminous roofing with the performance benefits of PVC.

Installed using compatible Polyglass LRF low-rise foam adhesives.



1. Mapeplan® PVC FB
2. Polyglass® LRF (spatter)
3. Elastoflex S6
4. Coverboard
5. Polyglass® LRF (ribbon)
6. Plates and Fasteners
7. Polytherm® Polyiso Insulation
8. Steel Deck

BONDING ADHESIVES FOR RELIABLE SYSTEM PERFORMANCE

Mapeplan PVC systems are supported by a range of bonding adhesives designed to deliver strong, reliable adhesion across a variety of substrates and installation conditions



Water-Based Adhesives - Mapeplan® P WB

For bonding Mapeplan PVC and PVC FB membranes to horizontal and vertical substrates.

- Low VOC formulation
- High initial tack
- Compliant with OTC and California air quality regulations
- Suitable for a wide range of applications



Solvent-Based Adhesives - Mapeplan® P SB

Contact-type adhesive for bonding PVC membranes and flashings to horizontal and vertical substrates.

- Fast-drying system with excellent green strength
- Strong, durable bond performance
- Ideal for Mapeplan PVC membranes (smooth only)
- Easy application by brush, roller, or spray



Canister Adhesives - Mapeplan® P CA

Pressurized adhesive system designed for quickly bonding Mapeplan PVC and PVC FB membranes to vertical surfaces and flashing applications.

- Low VOC formulation
- Aggressive tack for reliable adhesion
- Fast application with reduced labor time
- Ideal for parapets and vertical detailing

Mapeplan® P CA Cleaner

Supports proper maintenance of adhesive application equipment and removal of excess adhesive.



Low-Rise Foam Adhesives - Polyglass LRF Adhesives

Used with Mapeplan PVC FB membranes for fast, efficient attachment in new construction, reroofing, and recover applications.

- Eliminates mechanical fastening
- Reduces labor and installation time
- Supports adhesion over a range of substrates

ENGINEERED COMPONENTS FOR SYSTEM INTEGRATION

Together, these components complete a fully integrated Mapeplan PVC roofing system, designed for long-term performance and installation efficiency.

Prefabricated Accessories

Prefabricated accessories are designed to simplify detailing, reduce field fabrication, and ensure consistent, watertight performance at critical transitions.

- Pipe boots and penetration flashings
- Corners and typical details

Details

Reinforced and non-reinforced membranes and custom detailing.

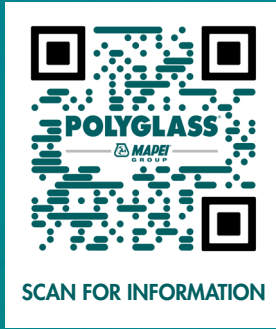
- Walkway pads and protection layers
- Profile ribs and clad metal

Fasteners & Plates

Mechanical fastening systems designed to support secure attachment across a range of roof assemblies.

- Fasteners for insulation and coverboards
- Induction welding plates
- In-seam fastening systems





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