

POLYGLASS®



BUILDING ENVELOPE SOLUTIONS



BUILDING ENVELOPE SOLUTIONS

Polyglass U.S.A., Inc. is a leading manufacturer of high-quality modified bitumen roofing and waterproofing solutions. Acquired in 2008, Polyglass is a proud member of the Mapei Group; the family owned, 5-billion-dollar global building materials industry leader. Together we represent over 130 years of combined experience in the production and support of building envelope products and solutions, with 93 manufacturing facilities spanning 36 countries on 5 continents.

We are **more than** a manufacturer - Our company's family-based culture puts our customers, their projects and success, first. Polyglass and Mapei are committed to those founding core values in addition to the Research & Development, and Innovation required to ensure the performance expected from our world class organization.

SERVICE & SUPPORT

Our team of technical experts assist customers from concept to completion with each phase of the project.

- Waterproofing design assistance and analysis
- Periodic onsite observations
- 24/7 Technical Support: (866) 794-9659

WARRANTY PROTECTION

We "**Seal the Envelope™**" with solutions to protect your building from roof to wall to foundation. Polyglass stands behind our products and systems with the most reliable warranties in the industry, providing extended protection and assuring optimum performance.



BUILDING ENVELOPE SOLUTIONS PRODUCTS

Polyglass offers a complete range of superior products and systems to provide for all structural waterproofing specifications and requirements:

- Pre-Applied Horizontal and Vertical Applications
- Post Applied Foundation Walls
- Above Grade Exterior Walls
- Decks, Plazas, and Elevated Decks
- Fully Bonded Self-adhered Sheet Membranes or Fluid Applied Membranes
- Complete Portfolio of System Accessories

For full system components and requirements, reference product specific Technical Data Sheets at polyglass.us or contact Technical Services (866) 794-9659.

POLYGLASS USA AND MAPEI ARE ISO 9001:2015 CERTIFIED

Our products are produced according to exacting standards which always meet, and often exceed ASTM standards and building product code requirements.

Below Grade Waterproofing Membranes

MAPEPROOF® AL PRO

Pre-Applied with Kick Out Roll, Fully Bonded HDPE Waterproofing Membrane for Below Grade Applications



Mapeproof AL PRO bonds integrally to poured concrete forming an adhesive bond to protect below grade structures from water intrusion and lateral water migration. Convenient adhesive side lap forms watertight laps between successive sheets. Ideal for horizontal slabs and vertical blindside applications. The easy release strips and kick out roll make for a simplified installation saving you time and labor.

- Kick out roll for ease of installation
- Self-adhering side laps with easy release liner strips
- Prevents lateral water migration
- Bonds to concrete
- High hydrostatic head resistance
- Durable; resistant to trade damage
- Red list free

MAPEPROOF® AL PRO DETAIL TAPE

Two-sided, Pressure Sensitive Tape Specially Formulated for Below-Grade Detail Applications



Specially formulated for below grade detail applications, Mapeproof AL Detail Tape is designed to bond to concrete and prevent lateral water migration in the most complex of job site details. Forms a strong bond to Mapeproof AL PRO membrane, ensuring watertight details with enough durability to accommodate foot traffic.

- Available in 4" and 8" widths
- Flexible, easy to use
- Cold applied
- Bonds to concrete
- Red list free



Below Grade Waterproofing Membranes

MAPEPROOF® FBH NA

Pre-Applied, Fully Bonded Waterproofing Membrane with Multi-Layer Technology for Below Grade Applications



Mapeproof FBH NA is a fully bonded membrane for foundation waterproofing. It features an HDPE layer with multi-layer bonding technology, ensuring both adhesive and physical bonds with concrete. The Polypropylene fibers enhance mechanical interlocking during the initial concrete curing process, reducing delamination risk when the concrete forms are removed. The unique fiber pattern increases bonding surface area, while SEALLap® Technology reinforces side laps for better adhesion. Mapeproof FBH NA is easy to use for both horizontal and vertical applications, with a kick-out roll design for quick installation.

- Fully adhered with multi-layer bonding technology
- High initial bond via mechanical interface
- Prevents lateral water migration
- Reinforced side laps with SEALLap® Technology
- Reinforced fibers provide additional bonding surface area
- Durable; resistant to trade damage
- Red list free

MAPEPROOF® FBT TAPE 600 NA

Pressure Sensitive Tape Specially Formulated for Below Grade Applications to use with Mapeproof FBH NA systems



Mapeproof FBT Tape 600 NA is designed to bond to concrete and prevent lateral water migration in the most complex of job site details. Forms a strong bond to Mapeproof FBH NA, ensuring watertight details.

- Fully adhered with multi-layer bonding technology
- Flexible and easy to apply for watertight details
- Proprietary adhesive forms integral bond to the concrete
- Prevents lateral water migration

MAPEPROOF® HW

Bentonite Geotextile Sheet Waterproofing Membrane



Mapeproof HW waterproofing membrane is composed of sodium bentonite encapsulated between a woven and nonwoven polypropylene geotextile fabrics. The nonwoven fabric is needle-punched through to the woven fabric, mechanically locking the sodium bentonite clay in place with thousands of fibers. In the presence of water, the sodium bentonite hydrates and swells forming a monolithic waterproofing membrane. Ideal for horizontal slabs, vertical blindside, and backfilled walls applications.

- High swelling index helps prevent water intrusion
- Can be installed over damp or green concrete
- Self-healing if punctured
- Not affected by rises and falls in the water table

Below Grade Waterproofing Membranes

MAPEPROOF® SW

Bentonite Geotextile Sheet Waterproofing Membrane for Salt or Contaminated Water Applications



Mapeproof SW waterproofing membrane is composed of sodium bentonite encapsulated between a woven and nonwoven polypropylene geotextile fabrics. The nonwoven fabric is needle-punched through to the woven fabric, mechanically locking the sodium bentonite clay in place with thousands of fibers. In the presence of water, the sodium bentonite hydrates and swells forming a monolithic waterproofing membrane. Ideal for horizontal slabs, vertical blindside and backfilled wall applications in the presence of salt or contaminated groundwater conditions.

- Includes a special additive for mitigating the affects of salt and contaminated water on the swell index
- High swelling index helps prevent water intrusion
- Can be installed over damp or green concrete at least 3 days old
- Self-healing if punctured
- Not affected by rises and falls in the water table

MAPETHENE® LT60

Post-Applied, Self-Adhered Waterproofing Membrane for Below Grade Structures and Elevated Decks



Use Mapethene LT60 on below grade foundations, horizontal decks, tunnels, and balconies where structural waterproofing is needed. The specialized formulation combines a rubberized adhesive with an HDPE layer to act as a barrier against moisture, water, and gas. Mapethene LT60 membrane is suitable for installations where the ambient temperature is between 25°F and 60°F (-4°C and 16°C). For high temperature applications, use Mapethene HT60.

- Factory-made, ensuring a controlled thickness
- Ideal waterproofing for new and rehab projects
- High hydrostatic head resistance
- Cold-applied
- Low application temperature range, from 25°F and 60°F (-4°C and 16°C)
- Compatible with common construction materials such as concrete, concrete masonry units (CMUs), metal, wood (pressure-treated and fire-treated), and insulated concrete forms (ICFs)

MAPETHENE® HT60

Post-Applied, Self-Adhered Waterproofing Membrane for Below Grade Structures and Elevated Decks



Use Mapethene HT60 on below grade foundations, horizontal decks, tunnels and balconies where structural waterproofing is needed. The specialized formulation combines a rubberized adhesive with an HDPE layer to act as a barrier against moisture, water and gas. Mapethene HT60 membrane is suitable for installations where the ambient temperature is above 40°F (5°C). For low temperature applications, use Mapethene LT60.

- Factory-made, ensuring a controlled thickness
- Ideal waterproofing for new and rehab projects
- High hydrostatic head resistance
- Cold-applied
- Perfect for installations where the ambient temperature is above 40°F (5°C).
- Compatible with common construction materials such as concrete, concrete masonry units (CMUs), metal, wood (pressure-treated and fire-treated), and insulated concrete forms (ICFs)

MAPESEAL® GC

Single-Component, Fast-Curing, Monolithic Waterproofing Membrane for Damp and Green Concrete



Mapeseal GC is a single-component, fast-curing, monolithic waterproofing membrane that can be applied to damp and green concrete. This 100%-solids formulation guarantees the membrane will not shrink. VOC-compliant in virtually all municipalities. Proprietary, single-grade formulation suitable for both vertical and horizontal surfaces, as well as green concrete applications.

- Cold, fluid-applied
- Seamless and monolithic
- Does not require primer
- No special mixing
- Solvent free, very low odor
- Compatible with common construction materials such as concrete, concrete masonry units (CMUs), stone, metal, plastic (PVC and ABS), exterior grade plywood, rigid insulation and insulating concrete forms (ICF)
- Can be applied with roller, brush, trowel, or squeegee
- Reinforced systems available with Mapeseal Fabric

MAPEPRIME® S710

Low-VOC, Solvent Based Adhesive Primer for Mapethene LT60/HT60



Mapeprime S710 is a quick-drying, high-tack adhesive primer, is specifically formulated to promote maximum adhesion when using Polyglass Mapethene LT60/HT60 waterproofing membranes.

- Quick drying
- High tack
- Compliant with most state and local VOC requirements
- Wide temperature application window, down to 25°F (-4°C)
- Suitable for use over concrete and concrete masonry units (CMUs) and wood
- Green concrete applications

MAPEPRIME® 720 W

Water-Based Adhesive Primer for Mapethene LT60/HT60



Mapeprime 720W is a quick-drying, water-based, high-tack adhesive primer, is specifically formulated to promote maximum adhesion when using Polyglass Mapethene LT60/HT60 waterproofing membranes.

- Water based
- Quick drying
- High tack
- Low VOC, low odor formulation
- Suitable for use over concrete and concrete masonry units (CMUs), wood, metal, PVC, gypsum sheathings with glass-mat facers

MAPEPROOF® LIQUID MEMBRANE

Two-Component, Monolithic Liquid Waterproofing Accessory for Above and Below Grade Applications



Mapeproof Liquid Membrane is two-component, thixotropic, solvent-free, trowel grade membrane, specifically designed for multiple uses with Polyglass Waterproofing Membranes. Use Mapeproof Liquid Membrane to seal, fill, or detail Mapeproof AL PRO, Mapeproof FBH NA or Mapethene LT60/HT60 membranes. Ideal for a variety of applications including fillets/reinforcing applications, pile heads, vertical wall terminations, through-wall penetrations, repairs, and transitions. The unique sag resistance virtually eliminates the need to go back and re-tool on critical areas. The extended pot life is perfect for complex jobs, big or small.

- Available in 4 gallon and 1.5 gallon kits
- Trowel Grade
- Solvent free, odorless
- Sag resistant
- Weather resistant
- Cold Applied
- Compatible with concrete, cement masonry, steel rebar
- Designed to work seamlessly with Polyglass Waterproofing systems

MAPEDRAIN® DRAINAGE PRODUCTS

High-Strength, High-Flow Drainage Mats with Protective Film



Mapedrain drainage mats provide hydrostatic relief while preventing the passage of soil or sand particles which might clog the polypropylene core. Each Mapedrain mat includes a polymeric protective film on the back side to provide additional protection to waterproofing membranes.

SKU's: Mapedrain HS, Mapedrain HS PLUS, Mapedrain HSW

- Options for both below grade and above grade applications
- Vertical and horizontal grades
- Lightweight and easy to install
- Geotextile filter fabric ensures no-clog drainage
- Below-grade relief of hydrostatic pressure
- 40% post-industrial recycled polypropylene material

MAPEDRAIN™ SIMPLE DRAINAGE SYSTEM

A complete system for easy, below grade water collection

Mapedrain Simple Drain System is a complete offering of modular 3-dimensional, high-flow, polypropylene drainage channels for easy on-site water collection.

SKU's Mapedrain SDS 12" channel, Mapedrain SDS Side outlet, Mapedrain SDS End Outlet

- Compatible with Mapedrain HS, HS PLUS, and HSW

MAPEPROOF® SEALANT

Detailing Sealant for Mapeproof HW/SW



Mapeproof Sealant is a trowel-grade sealant made of sodium bentonite clay and specialized polymers that swell when exposed to water to prevent water intrusion. It can be applied easily and adheres well to different substrates, making it suitable for various detailing applications. Mapeproof Sealant is an ideal component to form a seamless waterproofing system when used with Mapeproof HW and Mapeproof SW.

- Can be installed over damp or green concrete
- Not affected by rises and falls in the water table
- Can be installed at the laps in wall applications for added protection against hydrostatic conditions
- No VOCs

MAPESTRIP®

Hydrophilic, Expanding Rubber Waterstop for Watertight Joints and Transitions



Available in two varieties. Mapestrip 25 is a pre-formed hydrophilic rubber strip, with an acrylic polymer base specially designed to form watertight construction joints. Controlled volumetric expansion reduces the risk of concrete spalling.

Mapestrip 25B is a sodium bentonite based hydrophilic rubber strip specially designed to form watertight construction joints. The sodium bentonite swells when it encounters water to seal against leaks. Mapestrip 25 and 25B are ideal for horizontal and vertical construction joints and penetrations through slabs and walls. Both rolls are ¾" x 1" x 16.4' (20 mm x 25 mm x 5 m)

MAPESTRIP® 25

- Uniform, volumetric expansion – up to 120%
- Reproducible swell after wet/dry cycling
- Unaffected by freeze, thaw cycle

MAPESTRIP® 25B

- Swells in the presence of moisture to lock out water
- Can be installed over damp or green concrete
- Not affected by rises and falls in the water table

MAPEPROOF® GRANULES

Bentonite Granules for Detailing with Mapeproof HW or Mapeproof SW



Mapeproof Granules are composed of sodium bentonite clay. In the presence of moisture, the sodium bentonite hydrates and swells forming a monolithic waterproofing membrane. Ideal for cost sensitive horizontal slabs and vertical blindside applications.

- High swelling index helps lock out moisture
- Can be installed over damp or green concrete
- Self-healing if punctured
- Not affected by rises and falls in the water table
- Suitable for vertical applications
- 0 VOCs

ABOVE GRADE AIR & VAPOR BARRIERS



Above Grade Air & Vapor Barriers

VERTIWRAP® VPS

Primerless, Self-Adhered, Water Resistive Vapor Permeable Air Barrier



VertiWrap VPS air barrier membrane permits the passage of water vapor, while acting as a barrier to air and liquid water. VertiWrap VPS reduces the buildup of moisture in the wall assembly, increasing the wall durability and comfort of the building occupants. Primerless and Self-Adhered to a variety of substrates, including glass-mat exterior grade sheathing, for quick and easy install. VertiWrap VPS is compliant in a wide variety of NFPA 285 Wall Assemblies.

- Sheds water while allowing vapor to pass
- Improved adhesion eliminates need for rework at laps and areas peeling from substrate
- Primer-less, airtight adhesion to glass mat sheathing down to 25°F; 14 perms
- Immediate resistance to wind-driven rain
- Fully adhered to substrate eliminating water migration
- Seals around fasteners used in brick ties, termination bars, etc.
- NFPA 285 compliant in most wall assemblies
- 225 sq ft rolls; 22 mil nominal thickness

VERTIWRAP® NPS

Primerless, Self-Adhered, Water Resistive Nonpermeable Air Barrier



VertiWrap NPS air barrier membrane prevents the passage of air, water vapor, and liquid water from entering the wall assembly. VertiWrap NPS locks moisture out of the wall assembly, increasing the wall durability and comfort of the building occupants. Primerless and Self-Adhered to a variety of substrates, including glass-mat exterior grade sheathing, for quick and easy install. VertiWrap NPS is compliant in a wide variety of NFPA 285 Wall Assemblies.

- Impermeable to air, liquid water, and water vapor
- Improved adhesion eliminates need for rework at laps and areas peeling from substrate
- Primer-less, airtight adhesion to glass mat sheathing down to 25°F; <0.1 perms
- Immediate resistance to wind-driven rain
- Fully adhered to substrate eliminating water migration
- Seals around fasteners used in brick ties, termination bars, etc.
- AAMA 711 compliant; detail tapes available in 6", 9", 12" widths
- NFPA 285 compliant in most wall assemblies; 6 months UV exposure
- 225 sq ft rolls for 36" wide

Above Grade Air & Vapor Barriers

VERTIWRAP® TWF

Self-Adhered Flexible Through Wall Flashing for Cavity Wall Application



VertiWrap TWF is an impermeable self-adhered through wall flashing membrane designed to provide water management in cavity wall applications. VertiWrap TWF is constructed with an aggressive 12 mil proprietary adhesive and an 8 mil cross laminated high density polyethylene film.

- Impermeable to air, liquid water, and water vapor
- Fully adhered to substrate eliminating water migration
- 8 mil cross laminated film for enhanced mechanical properties
- Flexible and easily conforming to complex geometries
- 6 month UV exposure

VERTISEAL™ 50

One-part, Low VOC, Moisture Cure, Sealant for use with VertiWrap® Air Barriers



VertiSeal 50 is a silane-terminated polyether (STPE) based sealant designed for use in terminations, penetrations, and openings. Low-odor formula is VOC-compliant in all 50 states.

- Can be used as a sealant and a liquid flashing
- ASTM C 920 Type S, Grade NS, Class 50
- VOC <20 g/L
- Adheres to a variety of substrates
- Virtually no shrink
- Rain resistant within minutes
- Skin time 20 mins
- 20 oz sausage



Above Grade Air & Vapor Barriers

VERTIWRAP® VPL WITH SWIFTSET™ TECHNOLOGY

Primerless, Fluid-Applied, Water Resistive Vapor Permeable Air Barrier



VertiWrap VPL air barrier membrane permits the passage of water vapor, while acting as a barrier to air and liquid water. VertiWrap VPL reduces the build up of moisture in the wall assembly, increasing the wall durability and comfort of the building occupants. VertiWrap VPL is compliant in a wide variety of NFPA 285 Wall Assemblies. For low temperature applications, use VertiWrap VPL LT.

- Swiftset™ Technology – rain ready in 30 minutes under ideal conditions (50°F and rising, in direct sunlight)
- Perfect for installations when air and surface temperature are 40°F (4°C) and rising.
- Single pass application
- 17 perms; 50% solids
- Designed to be sprayed, rolled, or trowel applied
- Monolithic membrane fully adheres to substrate virtually eliminating water migration
- Sheds water while allow vapor to pass
- 12 months UV Exposure
- Seals around fasteners used in brick ties, terminations bars, etc.
- 5 gal pails; 55 gal drums

VERTIWRAP® VPL LT WITH SWIFTSET™ TECHNOLOGY

Low Temperature, Primerless, Fluid-Applied, Water Resistive Vapor Permeable Air Barrier

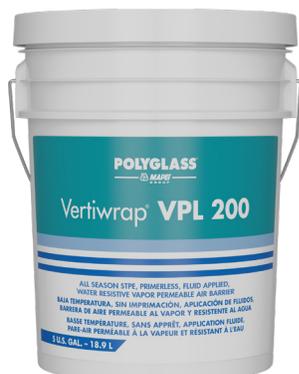


VertiWrap VPL LT air barrier membrane permits the passage of water vapor, while acting as a barrier to air and liquid water. VertiWrap VPL LT reduces the build up of moisture in the wall assembly, increasing the wall durability and comfort of the building occupants. VertiWrap VPL LT is compliant in a wide variety of NFPA 285 Wall Assemblies.

- Perfect for installations when air and surface temperature are 20°F (4°C) and rising.
- Swiftset™ Technology – rain ready in 30 minutes under ideal conditions (50°F and rising, in direct sunlight)
- Single pass application
- 17 perms; 50% solids
- Designed to be sprayed, rolled, or trowel applied
- Monolithic membrane fully adheres to substrate virtually eliminating water migration
- Sheds water while allow vapor to pass
- 12 months UV Exposure
- Seals around fasteners used in brick ties, terminations bars, etc.
- 5 gal pails; 55 gal drums

VERTIWRAP® VPL 200

All Season STPE, Primerless, Fluid-Applied, Water Resistive Vapor Permeable Air Barrier



VertiWrap VPL 200 is a high performance STPE based air barrier membrane that permits the passage of water vapor while acting as a barrier to air and liquid water. VertiWrap VPL 200 reduces the build up of moisture in the wall assembly, increasing the wall durability and comfort of the building occupants. VertiWrap VPL 200 is compliant in a wide variety of NFPA285 wall assemblies.

- Can be installed at temperatures as low as 0°F (-18°C)
- Monolithic membrane fully adheres to substrate virtually eliminating water migrations
- 12 month UV exposure
- Single pass application
- 20 mils wet, 18 mils dry
- Designed to be sprayed, rolled, or trowel applied
- Seals around fasteners used in brick ties, terminations bars, etc.
- NFPA 285 compliant in most wall assemblies

Above Grade Air & Vapor Barriers

VERTIWRAP® NPL

Primerless, Fluid-Applied, Water Resistive Nonpermeable Air Barrier



VertiWrap NPL air barrier membrane prevents the passage of air, water vapor, and liquid water from entering the wall assembly. VertiWrap NPL reduces the build up of moisture in the wall assembly, increasing the wall durability and comfort of the building occupants. VertiWrap NPL is compliant in a wide variety of NFPA 285 Wall Assemblies. For low temperature applications, use VertiWrap NPL LT.

- Quick drying and primerless improves speed of application
- Monolithic membrane is impermeable to air, liquid water, and water vapor
- 12 months UV exposure
- Single pass application
- 50% solids; < 0.4 perms
- Designed to be sprayed, rolled, or trowel applied
- Fully adhered to substrate virtually eliminating water migration
- Seals around fasteners used in brick ties, termination bars, etc
- 5 gal pail ; 55 gal drums

VERTIWRAP® NPL LT

Low Temperature, Primerless, Fluid-Applied, Water Resistive Nonpermeable Air Barrier



VertiWrap NPL LT air barrier membrane prevents the passage of air, water vapor, and liquid water from entering the wall assembly. VertiWrap NPL LT reduces the build up of moisture in the wall assembly, increasing the wall durability and comfort of the building occupants. VertiWrap NPL LT is compliant in a wide variety of NFPA 285 Wall Assemblies.

- Perfect for installations when air and surface temperature are 20°F (4°C) and rising.
- Quick drying and primerless improves speed of application
- Monolithic membrane is impermeable to air, liquid water, and water vapor
- 12 months UV exposure
- Single pass application
- 50% solids; < 0.4 perms
- Designed to be sprayed, rolled, or trowel applied
- Fully adhered to substrate virtually eliminating water migration
- Seals around fasteners used in brick ties, termination bars, etc
- 5 gal pail; 55 gal drums

Liquid Applied Waterproofing - Cold Applied

POLYGLASS TECNOCOAT P-2049

Fast-setting, spray-applied pure polyurea membrane designed for superior waterproofing and traffic coating applications



Engineered for durability and integrity under mechanical stress, it offers exceptional chemical resistance and elasticity, even in extreme conditions. Its seamless and fully bonded, spray-on application ensures rapid curing, creating a monolithic membrane ideal for a variety of surfaces and applications.

Product Features:

- 80 mils
- Tack free time 5 seconds
- Foot trafficable in minutes
- Easy to repair
- Low VOCs
- System application 40°F and rising
- Coverage at 80mils WFT 20sqft/gallon
- Adheres to a wide variety of substrates
- Can be used in exposed applications with approved Tecnocoat Topcoat
- Spray applied

Applications:

- Sloped/Flat Roofs
- IRMA
- Concrete Decks
- Balconies
- Water Containment
- Parking Garages
- Foundations

System Components

- **2 Component Primers:** Primer EP-1010, Primer EP-1020, PU-1050
- **Top Coats:** Tecnotop 1C, Tecnotop 2C, Tecnotop S-3000

POLYGLASS TECNOCOAT H-2049

Fast-setting, spray-applied polyurea membrane designed for superior waterproofing and traffic coating applications



Engineered for durability and integrity, even in extreme conditions, its seamless and fully bonded, spray-on application ensures rapid curing, creating a monolithic membrane ideal for a variety of surfaces and applications.

Product Features:

- 80 mils
- Tack free time 5 seconds
- Foot trafficable in minutes
- Easy to repair
- Low VOCs
- System application 40°F and rising
- Coverage at 80mils WFT 20sqft/gallon
- Adheres to a wide variety of substrates
- Can be used in exposed applications with approved Tecnocoat Topcoat
- Spray applied

Applications:

- Sloped/Flat Walkable Roofs
- IRMA
- Concrete Decks
- Balconies
- Parking Garages
- Foundations

* *Additional considerations for: high chemical resistance or constant water immersion (Call Technical)*

System Components

- **2 Component Primers:** Primer EP-1010, Primer EP-1020, PU-1050
- **Top Coats:** Tecnotop 1C, Tecnotop 2C, Tecnotop S-3000

Liquid Applied Roofing - Cold Applied

POLYGLASS TECNOCOAT P-2049 EL

Fast-setting spray applied polyurea waterproofing membrane designed for use with metal substrates



Engineered for durability and integrity under mechanical stress, it offers exceptional chemical resistance and elasticity, even in extreme conditions. Its seamless and fully bonded, spray-on application ensures rapid curing, creating a monolithic membrane ideal for metal surfaces.

The elongation properties of Tecnocoat P-2049 EL, make it ideal for applications where high movements require a stretchable product.

Product Features:

- 80 mils
- Tack free time 15 seconds
- Foot trafficable in minutes
- Easy to repair
- Highest elongation for use in metal applications
- Low VOCs
- System application 40°F and rising
- Coverage at 80mils 20sqft/gallon
- Adheres to metal
- Spray applied

Applications:

- Sloped/Flat Walkable Roofs
- IRMA
- Concrete Decks
- Balconies
- Parking Garages
- Foundations

* *Additional considerations for: high chemical resistance or constant water immersion (Call Technical)*

System Components

- **2 Component Primers:** Primer EP-1010, Primer EP-1020, PU-1050
- **Top Coats:** Tecnotop 1C, Tecnotop 2C, Tecnotop S-3000

POLYGLASS TECNOCOAT P-2049 AL

Fast setting, spray-applied polyurea waterproofing membrane for permanently exposed applications



Engineered for durability and integrity under mechanical stress, it offers exceptional chemical resistance and elasticity, even in extreme conditions. Its seamless and fully bonded, spray-on application ensures rapid curing, creating a monolithic membrane ideal for a variety of surfaces and applications.

The aliphatic properties of Tecnocoat P-2049 AL, make it ideal for permanently exposed applications where resistance to UV is needed.

Product Features:

- 80 mils
- Tack free time 5 seconds
- Foot trafficable in minutes
- Easy to repair
- Low VOCs
- System application 40°F and rising
- Coverage at 80mils WFT 20sqft/gallon
- Adheres to a wide variety of substrates
- Spray applied

Applications:

- Sloped/Flat Walkable Roofs
- Concrete Decks
- Balconies
- Parking Garages
- Pools/Water Features
- Vehicular Traffic Coatings

System Components

- **2 Component Primers:** Primer EP-1010, Primer EP-1020, PU-1050
- **Top Coats:** Tecnotop 1C, Tecnotop 2C, Tecnotop S-3000

Liquid Applied Waterproofing - Cold Applied

POLYGLASS TECNOCOAT CP-2049

Fast-setting, hand-applied polyurea membrane designed for superior waterproofing and traffic coating applications



Engineered for durability and integrity under mechanical stress, it offers exceptional chemical resistance and elasticity, even in extreme conditions. Its seamless and fully bonded application ensures rapid curing, creating a monolithic membrane ideal for a variety of surfaces and applications.

Product Features:

- 80 mils
- Dry time 3 hours
- Foot trafficable in minutes
- Easy to repair
- Low VOCs
- System application 40°F and rising
- Pot life 20-25 minutes
- Coverage at 80mils WFT 20sqft/gallon
- Adheres to a wide variety of substrates
- Can be used in exposed applications with Topcoat
- Roller or Squeegee applied

Applications:

- IRMA
- Balcony Decks
- Concrete Decks
- Pedestrian Systems
- Vehicular Systems
- Commercial Pools and Water Features

System Components

- **2 Component Primers:** Primer EP-1010, Primer EP-1020, PU-1050
- **Top Coats:** Tecnotop 1C, Tecnotop 2C, Tecnotop S-3000

Liquid Applied Waterproofing - Primers



Polyglass Primer EP-1010

Two component epoxy primer designed to enhance adhesion between substrate and Tecnocoat membrane systems

- 100% Epoxy Primer
- 20kg, 4:1 kit
- 30 min pot life; Dry time 4 hours
- Roller or squeegee applied
- Above 40°F on concrete



Polyglass Primer EP-1020

Two component epoxy primer designed for use on metal substrates

- 100% Epoxy Primer
- 15kg; 2:1
- 30 min pot life; Dry time 2 hours
- Can be used on metal
- Roller or squeegee applied
- Above 40°F on concrete

Liquid Applied Roofing - Cold Applied



Polyglass Primer PU-1050

Two component Polyurethane primer designed for use with the Tecnocoat membrane systems

- 100% Polyurethane Primer
- 10kg, 1:1 kit
- 35-50 minutes pot life; Dry time 2 hours
- Roller or squeegee applied
- Above 40°F on concrete



Polyglass Primer PUc-1050

Two component Polyurethane primer designed for cold temperature applications with Tecnocoat membrane Systems

- 10 kg, 1:1 kit
- Pot life: 45 minutes
- Dry time 3 hours
- Coverage @ 7 mils 530 ft²/kit
- Roller, brush or spray application
- Above 40°F on concrete
- Can be installed at 32°F and rising

Liquid Applied Waterproofing - Topcoats

Our line of topcoats can be used in permanently exposed applications.



Polyglass Tecnotop 1C

Single component aliphatic Polyurethane top coat designed for use on vertical upturns

- 20kg Gray
- Ideal for vertical upturns; maintenance only traffic
- Initial dry time 8 minutes
- Recoat time 8 minutes-48 hours
- Roller or squeegee applied

Liquid Applied Waterproofing - Cold Applied



Polyglass Tecnotop 2C

Two component polyurethane chemical resistant top coat designed with UV resistance capabilities ideal for vehicular and pedestrian traffic. Used as a protective layer for Tecnocoat systems, it is designed for permanently exposed applications ensuring weather ability performances.

- 20kg White and Gray
- Ideal for vehicular/pedestrian traffic as well as chemical resistant applications
- Pot life 60 minutes
- Dry time 2 hours
- Roller or squeegee applied



Polyglass Tecnotop S3000

Two component polyaspartic top coat designed with mechanical resistance capabilities for heavy traffic applications

- 5kg in neutral
- Generally a more durable topcoat
- Pot life 30 minutes
- Dry time 90 minutes
- Ideal for heavy traffic applications
- Roller or squeegee applied

Liquid Applied Waterproofing - Hot Applied



Polyglass HRA

Hot Applied Rubberized Asphalt Waterproofing Membrane Polyglass HRA is a 100% solids, asphalt-based, fluid-applied waterproofing solution designed to create a seamless, fully adhered barrier, eliminating the vulnerabilities of seams and joints that can lead to water intrusion. Polyglass HRA can be utilized in plaza decks, green roofs, tunnels and below grade wall applications, offering superior protection in environments that demand long-term durability and moisture resistance.

System Components

- **PG 100 Primer**
- **Mapeseal LMR Fabric**
- **Elastobase P or Elastoflex V 22**



Polyglass Uncured Neoprene Flashing

Uncured flashing material designed for Polyglass HRA

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POLYGLASS®



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