

Polyguard®

Innovation based. Employee owned. Expect more.

ARCHITECTURAL PRODUCTS DIVISION



Integrated Building Envelope®

“Moisture and Air Stop With Us!”



PRODUCT SELECTOR GUIDE

Proven Industry Leader

Founded in 1953, Polyguard has a long history of specializing in products that protect surfaces and structures from moisture, air, water, and other undesired contaminants. The company was founded on the basic principles of being a successful leader in the industry and being dedicated to its employee owners, qualities which are still the foundation of the company today.



Innovation Based

We take pride in the fact that the vast majority of our sales to the Architectural and Engineering specifying community are products that Polyguard introduced to the market. We are constantly striving to respond to the needs of the industry with creative solutions.



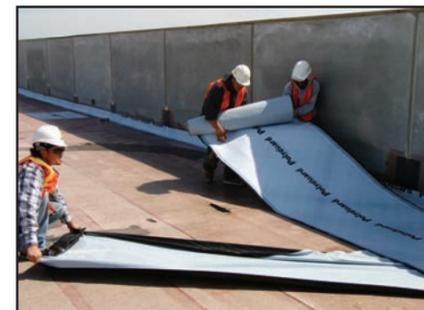
Employee Owned

Polyguard is 100% employee owned, 70% by our ESOP and 30% by individual employee stockholders. Being an ESOP company creates a unique culture of team work and ownership that ensures top quality performance, not only from our products, but more importantly, from our employees.



Expect More

Polyguard as a company has experienced 20 successive years of increase in our annual sales. We attribute this unprecedented growth to many successful innovations in our product lines, as well as extremely high levels of employee capabilities and commitment.



IBE Product Systems

As a single source manufacturer, Polyguard offers the latest innovations in water management to control moisture and air within the building envelope. Our Integrated Building Envelope System includes products designed to work together with unique connection points to protect the structure from below grade to the roof.

Waterproofing Systems

Polyguard's below grade waterproofing product line includes membranes intended for both pre and post pour concrete applications. It is anchored by the well known Underseal® brand that includes our Underslab and Blindside™ products. The Underseal line has exceptional puncture and moisture resistant properties and contains technology that creates a permanent seal underneath the concrete slab to eliminate water migration, while at the same time remaining flexible to meet the many contours and irregularities found on jobsites. In addition, our fluid-applied waterproofing products can stand up to the toughest weather and jobsite conditions.



Air Barrier Systems

Polyguard offers a variety of fluid-applied Air, Moisture and Vapor barriers with our popular Airluk Flex® family of products. These products come in both solvent and water based options, and provide a tough, continuous barrier with exceptional UV resistant properties. These products are also available with the option of ProBan®, a unique mold inhibiting additive to help further protect the structure. Our Air Barrier products have passed NFPA 285 test protocols.



Wall Systems

Polyguard self-adhering membrane products have high puncture resistance and can be field fabricated to meet various challenging jobsite conditions. Our 300 and 400 Through Wall Flashing products are sold in a variety of widths, from 4 inches to 24 inches wide, to accommodate most any need.



Drainage Systems

The Polyflow® family of geocomposite drainage products combine the durability of polystyrene along with the functionality of a filter fabric to meet a variety of drainage requirements. Our Polyflow® products can be installed virtually anywhere that an aggregate drainage system has been used to relieve hydrostatic pressure more efficiently. Our drainage products offer a superior additional layer of protection for our waterproofing membranes.



Integrated Building Envelope®

Waterproofing Systems

Polyguard's below-grade waterproofing product line includes membranes intended for both pre and post concrete pour applications. In addition, our fluid-applied waterproofing and dampproofing products can stand up to the toughest weather and job site conditions.

BELOW-GRADE SHEET MEMBRANE



PRODUCT AND DESCRIPTION

UNDERSEAL® UNDERSLAB MEMBRANE

Underseal® Underslab Membrane is a 85 mil, pre concrete pour, waterproofing membrane/vapor barrier used to virtually eliminate water and vapor transmission through concrete slabs on grade. In addition, our Underslab Membrane acts as a barrier to provide superior protection for floor finishes and indoor air quality.

FEATURES AND BENEFITS

- Superior puncture resistance higher than Class A Vapor Barrier requirements (2200 grams, or under 5 pounds)
- Flexible material that adapts to jobsite irregularities and fully-adhering watertight laps for ease of installation
- Stress-absorbing and elongation properties allow it to maintain a watertight seal to the structure if cracks develop in the base material or the slab

PACKAGING INFO*

roll size	48" X 50'
rolls / ctn	1
ctns / plt	20
sf / ctn	200
lbs / ctn	73

*Also available in Winter formulation

TECHNICAL INFORMATION

Membrane Thickness	ASTM D 1000	85 mils
Tensile Strength - Geotextile layer	ASTM D 4632	80 lbs.
Breaking Strength - Geomembrane layer	ASTM D 882	5470 PSI
Elongation	ASTM D 412	839%
Peel Adhesion	ASTM D 903	31.3 lbs/in width
Lap Peel Adhesion	ASTM D 1876 mod Die C	8.7 lbs/in width
Puncture Resistance	ASTM E 154	220 lbs.



UNDERSEAL® BLINDSIDE™ MEMBRANE

Underseal® Blindsided™ Membrane is a 73 mil, pre concrete pour, waterproofing membrane used where vertical positive side waterproofing is required but access to the positive side is impossible due to the soil retention system. In addition, our Blindsided™ Membrane acts as a barrier to provide superior protection for indoor air quality.

- Superior puncture resistance of greater than 217 lbs which provides strong resistance to concrete construction abuse
- Rainfall, freeze/thaw and wet/dry cycling do not affect the installed system
- Flexible material that adapts to jobsite irregularities and fully adhering watertight laps for ease of installation

roll size	48" X 50'
rolls / ctn	1
ctns / plt	25
sf / ctn	200
lbs / ctn	52

*Also available in Winter formulation

Membrane Thickness	ASTM D 1000	73 mils
Tensile Strength - Geotextile layer	ASTM D 4632	80 lbs.
Elongation	ASTM D 412	839%
Peel Adhesion	ASTM D 903 mod	14.9 lbs/in
Lap Peel Adhesion	ASTM D 1876-01	9.02 lbs/in
Puncture Resistance	ASTM E 154	217 lbs.



UNDERSEAL® PRM™ MEMBRANE

Underseal® PRM™ Membrane is a 65 mil, post concrete pour waterproofing membrane/vapor retarder that virtually eliminates water and vapor transmission through concrete slabs. PRM™ Membrane can be used in both horizontal and vertical applications where waterproofing is critical.

- HORIZONTAL / SPLIT SLAB – designed for application to horizontal slabs such as parking garages, plaza decks, plywood decks, and related applications
- VERTICAL / PROTECTED WALL – designed for application to the exterior sides of vertical concrete foundation walls, tunnels, and related applications
- Allows for faster waterproofing applications by eliminating the step to install an additional protection course prior to backfilling operations

roll size	48" X 50'
rolls / ctn	1
ctns / plt	25
sf / ctn	200
lbs / ctn	75

*Also available in Winter formulation

Membrane Thickness	ASTM D 1000	65 mils
Tensile Strength - Film	ASTM D 412 mod Die C	5000 psi
Elongation	ASTM D 412	> 850%
Peel Adhesion	ASTM D 903	17 lbs/in
Lap Peel Adhesion	ASTM D 1876 mod	8 lbs/in width
Puncture Resistance	ASTM E 154	127 lbs.



650 SHEET MEMBRANE

650 Sheet Membrane is a 60 mil, post concrete pour waterproofing membrane/vapor retarder that virtually eliminates water and vapor transmission through concrete slabs. 650 Sheet Membrane may also be used on wood, concrete block structures and insulated concrete forms (ICF). 650 Membrane is also available in metric rolls 39.36" x 61' for alternate applications requiring metric width.

- Wide membrane width allows for fast and easy application to continuous flat surfaces
- Cold-applied and self-adhered over poured concrete over liquid adhesive
- Wound on a disposable treated release sheet to prevent blocking in the rolls
- Narrow width material available for trim corners, construction joints, and other applications

roll size	48" X 50'
rolls / ctn	1
ctns / plt	25
sf / ctn	200
lbs / ctn	65

*Also available in Winter formulation

Membrane Thickness	ASTM D 1000	60 mils
Tensile Strength - Membrane	ASTM D 412 mod Die C	325 psi
Tensile Strength - Film	ASTM D 882	6500 psi
Elongation	ASTM D 412	600%
Peel Adhesion	ASTM D 1000	10 lbs/in width
Overlap Bond	ASTM D 1000	8 lbs/in width
Puncture Resistance	ASTM E 154	50 lbs.



BELOW-GRADE FLUID-APPLIED DAMPROOFING

PRODUCT AND DESCRIPTION

PRO 1000

PRO 1000 is a patented, single component, cold-applied, non-elastomeric, non-breathable, thermoplastic membrane. It dries to a UV resistant and tough re-coatable hard coat protective film that stops water passage through a substrate. For designers wanting maximum protection, Proban® mold inhibitor can be added at the factory to provide additional contact mold-inhibiting properties to the dampproofing system. This product is also available in low VOC options should that be required on the project.

FEATURES AND BENEFITS

- Designed for application over poured concrete, precast concrete and concrete masonry below-grade walls
- Durable and maintainable protection from rain and melting snow in the area between grade and the exterior finish
- May be used as a vapor-impermeable coating on the inside of a below-grade wall when the outside of the wall has been water or dampproofed

PACKAGING INFO*

pails	5 gal
drums	55 gal
Std Color	Gray
Sprayable	Yes
Rollable	Yes

TECHNICAL INFORMATION

Low Temperature Flexibility	ASTM C 836	PASS
Resistance to Hydrostatic Head	ASTM D 5385	100+ ft.
Vapor Permeability	ASTM E 96 Method A	0.45 perms
Water Absorption	ASTM D 95	< 1% weight
Usage Temperatures		-20°F up to 120°F
UV Resistance		up to 5-7 years



Waterproofing Systems

BELOW-GRADE FLUID-APPLIED WATERPROOFING



PRODUCT AND DESCRIPTION

COMMERCIAL STRETCH

Commercial Stretch is a patented single component, cold liquid-applied, elastomeric waterproofing concrete sealer that cures to form a durable waterproofing membrane capable of bridging substrate shrinkage cracks up to 1/16-inch. For designers wanting maximum protection, Proban® mold inhibitor can be added at the factory to provide additional contact mold-inhibiting properties to the waterproofing system. This product is also available in low VOC options should that be required on the project.

FEATURES AND BENEFITS

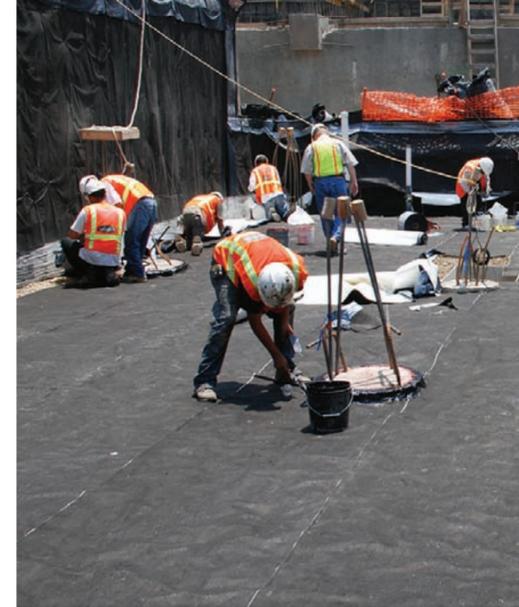
- Single component product requires no mixing ensuring uniformity and quality while reducing waste and labor
- Can be stored in temperatures as low as -10° F and applied in temperatures as cold as -20° F
- Wet product can be applied to dry product for membrane repair, creating a continuous system with no seam

PACKAGING INFO

pails	5 gal
drums	55 gal
Std Color	Gray
Sprayable	Yes
Rollable	Yes

TECHNICAL INFORMATION

Low Temperature Flexibility	ASTM C 836	PASS
Resistance to Hydrostatic Head	ASTM D 5385	231 ft.
Vapor Permeability	ASTM E 96 Method B	0.22 perms
Usage Temperatures		-20°F up to 120°F
UV Resistance		up to 30 days



SPECIALTY SHEET MEMBRANES



PRODUCT AND DESCRIPTION

BALCONYGUARD™

Balconyguard™ is a 60 mil waterproofing membrane to be used specifically on wood deck balcony structures that will be covered with concrete. Our Balconyguard™ System includes custom corner boots for ease of installation and detailing, and to save time and money on the jobsite. Balconyguard™ is a perfect solution for apartment and multi-family construction as well as projects with a large number of balconies or decks.

FEATURES AND BENEFITS

- 48" wide rolls reduce edge seam occurrence by up to 25% when compared to traditional 36" wide material
- Treated removable release film
- High strength PET film
- Specially designed for waterproofing balconies and exposed multi-story walkways that will be covered with light weight concrete

PACKAGING INFO

roll size	48" X 50'
rolls / ctn	1
ctns / plt	25
sf / ctn	200
lbs / ctn	76

TECHNICAL INFORMATION

Membrane Thickness	ASTM D 1000	60 mils
Tensile Strength - Membrane	ASTM D 412 mod Die C	841 psi
Tensile Strength - Film	ASTM D 882	6300 psi
Elongation	ASTM D 412 mod Die C	730%
Peel Adhesion	ASTM D 903	20 lbs/in width
Lap Peel Adhesion	ASTM D 1876	12 lbs.
Puncture Resistance	ASTM E 154	61 lbs.

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DECKGUARD® HT SHEET UNDERLAYMENT MEMBRANE

Deckguard® HT is a high heat premium membrane composed of a high strength slip resistant spider web backing laminated to a high performance high heat asphalt compound with a film release for ease of application. The release liner is removed leaving a strong asphalt compound to bond to the roof deck.

- High heat premium membrane; can be exposed to heat up to 260° F
- Film release for ease of application
- Self-sealing; will seal around nails to resist leakage created by water backing up due to ice dams or wind driven rains
- Waterproofs potential leak areas such as protrusions, skylights, valleys, and other flashing areas

roll size	36" X 75'
rolls / ctn	1
ctns / plt	36
sf / ctn	225
lbs / ctn	65

Membrane Thickness		40 mils
Softening Point	ASTM D 36	> 260° F
Tensile Strength	ASTM D 412 mod Die C	550 psi (min)
Elongation	ASTM D 412 mod Die C	> 400% (min)
Peel Adhesion	ASTM D 1970	> 4 lbs/in width
Lap Peel Adhesion	ASTM D 1970	> 10 lbs/in width
Permeance	ASTM E 96	0.01

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TILEGUARD™ ANTI-FRACTURE UNDERLAYMENT MEMBRANE

Tileguard™ is a composite membrane of fabric and rubberized asphalt, 40 mils in thickness. This elastomeric, self-adhesive membrane is wound on cores with a disposable silicone release sheet. It absorbs stress caused by concrete cracking, helping to prevent cracks in the subfloor from appearing in the tile surface above.

- Elastomeric, self-adhesive membrane designed for use under tile
- Peel-off silicone treated release liner prevents sticking when rolled
- Can be installed over a variety of subflooring surfaces
- Creates a quieter, warmer and drier environment

roll size	37" X 63.3'
rolls / ctn	1
ctns / plt	36
sf / ctn	195
lbs / ctn	42

Total Underlayment Thickness		40 mils
Low Temperature Elasticity	ASTM D 146 mod	Does not crack when bent over a mandrel at -15° F
Peel Adhesion	ASTM D 1000	> 10 lbs/in width
Robinson Test - Load Cycling	ASTM C 627	Rated for light commercial
Impact Sound Transmission Test	ASTM E 492-04 ASTM E 989-89	IIC = 69 dB
Impact Transmission Loss Test	ASTM D 903 mod	STC = 69 dB
High Performance Standard	ANSI A 118.12	Exceeds



NW-75 MEMBRANE

NW-75 Membrane is designed for use prior to an asphalt overlay. When placed on joints and cracks of pavement, it will waterproof and also reduce the extent and severity of reflective cracking. When installed on bridge decks it acts as a waterproofing membrane, protecting reinforcing steel in the deck from corrosion.

- Peel-off silicone treated release liner prevents sticking when rolled
- Nonwoven geotextile fabric backing provides a mechanical bond to the asphalt overlay
- Acts as a waterproofing membrane on bridge deck installation to protect and reinforce steel in the deck from corrosion

roll size	48" X 50'
rolls / ctn	1
ctns / plt	25
sf / ctn	200
lbs / ctn	45

Membrane Thickness	ASTM D 1777	65 mils
Strip Tensile Strength	ASTM D 882	50 lbs/in width
Grab Tensile Strength	ASTM D 4632	160 lbs.
Elongation	ASTM D 4632	60%
Puncture Resistance	ASTM E 154	200 lbs.
Pliability at Low Temperatures -15° F	ASTM D 146	No cracks in fabric or rubberized asphalt
Permeance - Perms	ASTM E 96 Method B	0.05 perms (max)

Air Barrier Systems

The Airllok Flex® family of products offer a variety of fluid-applied Air/Moisture and Vapor barrier options that provide a tough and continuous barrier that are among the most cost effective sprayable and roll-on systems available. These asphalt-free systems have ≥ 100 PSI bond to the substrate, extended UV resistance, and are compatible with most construction surfaces as well as virtually every waterproofing material used in construction.

ABOVE-GRADE FLUID-APPLIED AIR BARRIERS



PRODUCT AND DESCRIPTION

AIRLOK FLEX®

Airllok Flex® is a patented, solvent-based, impermeable, cold-applied, elastomeric, thermoplastic rubber coating. Airllok Flex® is designed to prevent the infiltration and exfiltration of moisture and air penetration, while protecting concrete, concrete masonry and gypsum sheathing surfaces. This product is also available in low VOC options should that be required on the project.

FEATURES AND BENEFITS

- Superior UV resistance allows for use on both unexposed and exposed portions of walls
- Can be applied in a broad temperature range of -20° F up to 120° F
- Superior adhesion to stay in place and dry to an elastomeric film
- Proban® mold inhibitor can be added at the factory to provide additional contact mold-inhibiting properties to the air barrier system

PACKAGING INFO

pails	5 gal
drums	55 gal
Std Color	Gray
Sprayable	Yes
Rollable	Yes

TECHNICAL INFORMATION

Adhesion	ASTM D 4541	100+ PSI
Resistance to Hydrostatic Head	ASTM D 5385	231 ft.
Vapor Permeability	ASTM E 96 Method A	0.058 perms
Air Permeance	ASTM E 2178	0.0007 cmf/sf
Air Leakage	ASTM E 2357	0.0005 cmf/sf
Eval. Fire Propagation	NFPA 285	PASS
Usage Temperatures		-20°F up to 120°F
UV Resistance		up to 6 months



AIRLOK FLEX® VP

Airllok Flex® VP is a water-based, permeable, cold fluid-applied, single-component, acrylic-based, elastomeric membrane designed to prevent air and moisture penetration while allowing water vapor to escape. Airllok Flex® VP is designed as an air barrier for installation on concrete and concrete masonry (CMU), paper, glass or foil faced sheathing, plywood, oriented strand board (OSB) and rigid insulation in the cavity.

- Superior UV resistance allows for use on both unexposed and exposed portions of walls
- Can be applied in temperatures ranging from 40° F up to 120° F
- Forms a tough, continuous bonded elastomeric barrier that provides protection against air infiltration and exfiltration to reduce energy loss
- Proban® mold inhibitor can be added at the factory to provide additional contact mold-inhibiting properties to the air barrier system

pails	5 gal
drums	50 gal
Std Color	Gray
Sprayable	Yes
Rollable	Yes

Adhesion	ASTM D 4541	100+ psi
Resistance to Hydrostatic Head	ASTM D 5385	50 ft.
Vapor Permeability	ASTM E 96 Method B	10 perms
Air Permeance	ASTM E 2178	0.003 cmf/sf
Air Leakage	ASTM E 2357	0.002 cmf/sf
Eval. Fire Propagation	NFPA 285	PASS
Usage Temperatures		40°F up to 120°F
UV Resistance		up to 1 year



AIRLOK FLEX® WG

Airllok Flex® WG (Weather Guard) is a water-based, permeable, above-grade air, weather and vapor coating for application over poured concrete, precast concrete, concrete masonry (CMU) and the following types of sheathing: paper-face, glass-face, foil-face, rigid insulation, plywood and oriented strand board (OSB). Airllok Flex® WG contains a non-combustible, water-based blend of high performance elastomeric acrylic polymers and selected fillers with a VOC content of 42 g/l.

- Forms a durable protection with up to 100 PSI adhesive pull-off strength
- Blocks inward moving water from penetrating through the coating to the substrate, and reduces energy loss
- Proban® mold inhibitor can be added at the factory to provide additional contact mold-inhibiting properties to the air barrier system
- UV resistance up to two years

pails	5 gal
drums	50 gal
Std Color	Gray
Sprayable	Yes
Rollable	Yes

Adhesion	ASTM D 4541	100 psi
Elongation	ASTM D 412	528%
Vapor Permeability	ASTM E 96 Method B	19 perms
Air Permeance	ASTM E 2178	0.0009 cmf/sf
Air Leakage	ASTM E 2357	0.0002 cmf/sf
Eval. Fire Propagation	NFPA 285	PASS
Usage Temperatures		40°F up to 120°F
UV Resistance		up to 2 years

ABOVE-GRADE SHEET AIR BARRIERS

PRODUCT AND DESCRIPTION

300 MEMBRANE

300 Air and Moisture Barrier is a 30 mil, 48" laminated self-adhesive sheet membrane designed for air and moisture applications. 300 Air and Moisture Barrier, when applied to a structural substrate, will provide excellent resistance to air leakage and vapor diffusion. It can be field fabricated to meet various job site conditions without cracking as compared to some metal systems. The high puncture resistance provides protection against abuse by other trades during and after installation.

FEATURES AND BENEFITS

- Once installed and protected from ultraviolet light, the membrane will not rot or decay from mildew, mold or plasticizer migration like metal or PVC materials
- The rubberized asphalt properties allow for self-sealing seams at temperatures above 40° F
- Adheres strong and tenaciously to the surface and to itself, eliminating membrane blowoff and tears before exterior wall installation

PACKAGING INFO

roll size	48" X 100'
rolls / ctn	1
ctns / plt	25
sf / ctn	400
lbs / ctn	72

TECHNICAL INFORMATION

Membrane Thickness		30 mils
Tensile Strength - Membrane	ASTM D 412 mod Die C	750 PSI min.
Water Absorption	ASTM D 412 mod Die C	0.1% max.
Elongation	ASTM D 412	400% min.
Permeance to Water Vapor Transmission	ASTM E 96 Method B	0.1 max.
Puncture Resistance - Film	ASTM D 781	110 kg/cm
Puncture Resistance - Composite Membrane	ASTM E 154	40 lbs. min.



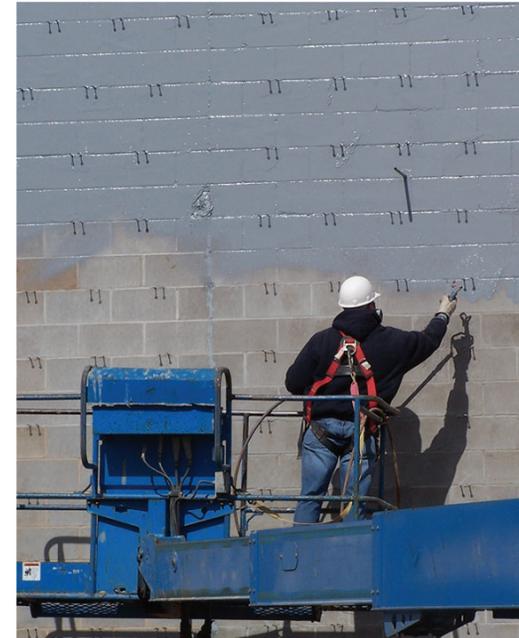
400 MEMBRANE

400 Air and Moisture Barrier is a 40 mil, 48" laminated self-adhesive sheet membrane designed for air and moisture applications. 400 Air and Moisture Barrier, when applied to a structural substrate, will provide excellent resistance to air leakage and vapor diffusion. It can be field fabricated to meet various job site conditions without cracking as compared to some metal systems. The high puncture resistance provides protection against abuse by other trades during and after installation.

- Once installed and protected from ultraviolet light, the membrane will not rot or decay from mildew, mold or plasticizer migration like metal or PVC materials
- The rubberized asphalt properties allow for self-sealing seams at temperatures above 40° F
- Custom end dams and corners provide a low cost alternative to expensive fabricated metal end dams and corner systems

roll size	48" X 75'
rolls / ctn	1
ctns / plt	25
sf / ctn	300
lbs / ctn	76

Membrane Thickness		40 mils
Tensile Strength - Membrane	ASTM D 412 mod Die C	750 PSI min.
Water Absorption	ASTM D 412 mod Die C	0.014% max.
Elongation	ASTM D 412	400% min.
Permeance to Water Vapor Transmission	ASTM E 96 Method B	0.035 max.
Puncture Resistance - Film	ASTM D 781	110 kg/cm
Puncture Resistance - Composite Membrane	ASTM E 154	40 lbs. min.



Wall Systems

Polyguard's Wall Systems offer a variety of flashing membranes, which are rubberized asphalt self-adhesive products that have high puncture resistance and can be field fabricated to meet various job site conditions. In addition, our custom offering of flashing accessories ensures that water moves down and out of the wall system without pause or interruption.

FLASHING PRODUCTS



PRODUCT AND DESCRIPTION

300 TWF PRODUCTS (Through Wall Flashing)

300 Flashing is a 30 mil modified asphalt bonded to a polyethylene sheet. The asphalt is protected with a release paper that is slit 3" in from an edge. The slit establishes two sections of release paper that can be removed independently thereby allowing the flashing to be placed and aligned on a wall without adhering the entire sheet until alignment is complete. This installation method promotes a smooth interface with the substrate, increases installer productivity, and reduces waste.

FEATURES AND BENEFITS

- 300 Flashing is not chemically affected by metal, cement, or clay materials used in masonry wall construction
- Packaged in 100 foot rolls and available in widths from 12" to 24"
- Split release paper liner for ease of installation

PACKAGING INFO

roll size	12", 16", 18", 24"
roll length	100'
rolls / ctn	varies
ctns / plt	varies
sf / ctn	225, 300

TECHNICAL INFORMATION

Membrane Thickness		30 mils
Tensile Strength - Membrane	ASTM D 412 mod Die C	750 PSI min.
Water Absorption	ASTM D 412 mod Die C	0.1% max.
Elongation	ASTM D 412	400% min.
Permeance to Water Vapor Transmission	ASTM E 96 Method B	0.1 max.
Puncture Resistance - Film	ASTM D 781	110 kg/cm
Puncture Resistance - Composite Membrane	ASTM E 154	40 lbs. min.



400 TWF PRODUCTS (Through Wall Flashing)

400 Flashing is a 40 mil modified asphalt bonded to a polyethylene sheet. The asphalt is protected with a release paper that is slit 3" in from an edge. The slit establishes two sections of release paper that can be removed independently thereby allowing the flashing to be placed and aligned on a wall without adhering the entire sheet until alignment is complete. This installation method promotes a smooth interface with the substrate, increases installer productivity, and reduces waste.

- 400 Flashing is not chemically affected by metal, cement, or clay materials used in masonry wall construction
- Packaged in 75 foot rolls and available in widths from 4" to 24"
- Split release paper liner for ease of installation
- Custom end dams and corners provide a low cost alternative to expensive fabricated metal end dams and corner systems

roll size	4" - 24"
roll length	75'
rolls / ctn	varies
ctns / plt	varies
sf / ctn	225, 300

Membrane Thickness		40 mils
Tensile Strength - Membrane	ASTM D 412 mod Die C	750 PSI min.
Water Absorption	ASTM D 412 mod Die C	0.014% max.
Elongation	ASTM D 412	400% min.
Permeance to Water Vapor Transmission	ASTM E 96 Method B	0.035 max.
Puncture Resistance - Film	ASTM D 781	110 kg/cm
Puncture Resistance - Composite Membrane	ASTM E 154	40 lbs. min.

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ALUMA-FLASH™ PEEL 'N STICK™

Aluma-Flash™ / Peel 'N Stick™ flashing is a 40 mil rubberized asphalt waterproofing coating, laminated to two layers of high strength polyethylene film, with a top protective layer of aluminum. The coating is supplied in rolls, with an easy to remove film release sheet for easy application, and is designed for use as a surface on low slope roofs and as a repair material.

- Resists sunlight and most chemicals
- If the building moves slightly, this elastomeric material will stretch and not tear
- Aluminum surface will reflect heat and cut energy costs
- Packaged in 100 SF rolls and available in widths from 4" - 36"

roll size	4" - 36"
roll length	33.3'
rolls / ctn	varies
ctns / plt	42
sf / ctn	100

Membrane Thickness		40 mils
Tensile Strength - Film	ASTM D 882 Method A	5000 PSI
Elongation	ASTM D 412 mod Die C	≥ 85%
Water Vapor Transmission	ASTM E 96 Method B	0.014 perms
Low Temperature Pliability	ASTM D 146 mod	no effect

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ARC FLASH™

Arc Flash™ is a 70 mil self-adhering, self-sealing tape made with rubberized asphalt waterproofing coating, laminated to a crimped and stretchable high strength film backing. Arc Flash™ products are flexible and can be used to strip in or flash straight round-top corners or custom shaped areas.

- Self seals around nails, staples, and fasteners
- Waterproofs surfaces underneath
- Adheres to most clean and dry surfaces instantly
- If the building moves slightly, this elastomeric material will stretch and not tear
- Packaged in 75 foot rolls and available in 6", 9" and 12" widths

roll size	6", 9", 12"
roll length	75'
rolls / ctn	varies
ctns / plt	36
sf / ctn	225

Membrane Thickness		70 mils
Peel Adhesion	ASTM D 1000	> 10 lbs/in width
Elongation	ASTM D 412 mod Die C	≥ 500%
Water Vapor Transmission	ASTM E 96 Method B	≤ 0.02 perms
Low Temperature Pliability	ASTM D 146 mod	no cracking at -25°F



105-12 FLASHING

105-12 Flashing Membrane is a 105 mil, strong, pliable self-adhesive sheet consisting of high density polyethylene film bonded to a layer of rubberized asphalt waterproofing compound with split release sheet to conform to 90° angles. 105-12 Flashing is used in exterior flashing applications to deflect water. Applications include spandrel beams, sills, copings, door and window headers, and flange flashings.

- Can be field fabricated to meet various job site conditions without cracking as compared to some metal systems
- High puncture resistance provides protection against abuse by other trades during and after installation
- The rubberized asphalt membrane adheres tenaciously to the surface and itself eliminating blow-off and tears, before exterior wall installation
- The rubberized asphalt used in this flashing will help to self-seal if the membrane is punctured

roll size	12" x 50'
rolls / ctn	2
ctns / plt	25
sf / ctn	100
lbs / ctn	61

Membrane Thickness		105 mils
Peel Adhesion	ASTM D 1000	10 lbs/in width
Elongation - Ultimate Failure of Rubberized Asphalt	ASTM D 412 mod Die C	600%
Permeance	ASTM E 96 Method B	0.05 grains/sf/hr/in HGF
Puncture Resistance - Membrane	ASTM E 154 Blunt Instrument	40 lbs.

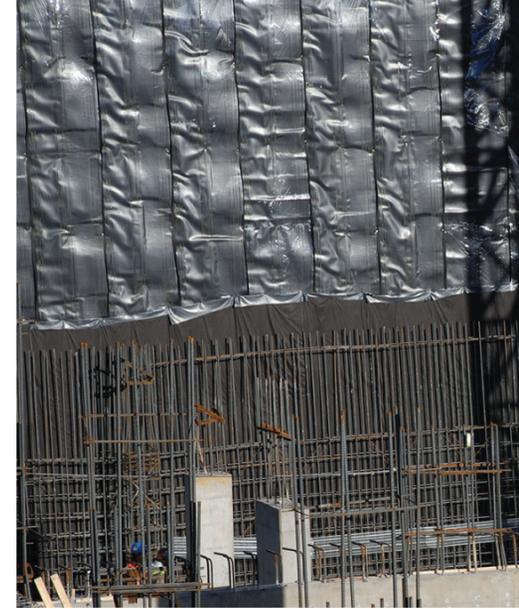


Drainage Systems

Polyguard's Polyflow® family of geocomposite drainage products combine the durability of polystyrene along with the functionality of a filter fabric to meet a variety of drainage requirements and price points. Virtually anywhere an aggregate drainage system has been used to relieve hydrostatic pressure, our Polyflow® products are a terrific addition as a protection layer for our waterproofing products.

POLYFLOW® PRODUCTS

PRODUCT AND DESCRIPTION	FEATURES AND BENEFITS	PACKAGING INFO	TECHNICAL INFORMATION																														
 <p>POLYFLOW® 10 / 10P</p> <p>Polyflow® 10 / 10P Drainage Mats are two-part and three-part, prefabricated, geocomposite drains consisting of a formed polystyrene core covered on one side with polypropylene filter fabric. The three-part includes a built-in polymeric film protection layer. Polyflow® 10 / 10P are designed for vertical applications.</p>	<ul style="list-style-type: none"> Compatible as a protection layer for Polyguard® waterproofing membranes Designed for use on foundation walls, retaining walls, inclined drains, embankment drainage, trench drains, interceptor drains, earthen dams, and planters Designed to move 9 gpm per foot of width Compressive strength of 10,000 lbs. per sf 	<table border="1"> <tr><td>roll size</td><td>4' X 50'</td></tr> <tr><td>rolls / ctn</td><td>1</td></tr> <tr><td>rolls / plt</td><td>8</td></tr> <tr><td>lbs / roll</td><td>40</td></tr> <tr><td>sf / ctn</td><td>200</td></tr> <tr><td>sf / plt</td><td>1600</td></tr> </table>	roll size	4' X 50'	rolls / ctn	1	rolls / plt	8	lbs / roll	40	sf / ctn	200	sf / plt	1600	<table border="1"> <tr><td>Flow Capacity</td><td>D 4716</td><td>9 gpm/ft of width</td></tr> <tr><td>Core Compression Strength</td><td>D 1621 mod</td><td>10,000 lbs/ft²</td></tr> <tr><td>Fabric Grab Tensile Strength</td><td>D 4632</td><td>110 lbs.</td></tr> <tr><td>Fabric Grab Elongation</td><td>D 4632</td><td>60%</td></tr> <tr><td>Fabric Puncture Strength</td><td>D 4833</td><td>65 PSI</td></tr> <tr><td>Fabric Flow Rate</td><td>D 4491</td><td>150 gpm/ft²</td></tr> </table>	Flow Capacity	D 4716	9 gpm/ft of width	Core Compression Strength	D 1621 mod	10,000 lbs/ft ²	Fabric Grab Tensile Strength	D 4632	110 lbs.	Fabric Grab Elongation	D 4632	60%	Fabric Puncture Strength	D 4833	65 PSI	Fabric Flow Rate	D 4491	150 gpm/ft ²
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 <p>POLYFLOW® 15 / 15P</p> <p>Polyflow® 15 / 15P Drainage Mats are two-part and three-part, prefabricated, geocomposite drains consisting of a formed polystyrene core covered on one side with polypropylene filter fabric. The three-part includes a built-in polymeric film protection layer. Polyflow® 15 / 15P are designed for vertical applications.</p>	<ul style="list-style-type: none"> Compatible as a protection layer for Polyguard® waterproofing membranes Designed for use on foundation walls, retaining walls, inclined drains, embankment drainage, trench drains, interceptor drains, earthen dams, and planters Designed to move 16 gpm per foot of width Compressive strength of 15,000 lbs. per sf 	<table border="1"> <tr><td>roll size</td><td>4' X 50'</td></tr> <tr><td>rolls / ctn</td><td>1</td></tr> <tr><td>rolls / plt</td><td>8</td></tr> <tr><td>lbs / roll</td><td>45</td></tr> <tr><td>sf / ctn</td><td>200</td></tr> <tr><td>sf / plt</td><td>1600</td></tr> </table>	roll size	4' X 50'	rolls / ctn	1	rolls / plt	8	lbs / roll	45	sf / ctn	200	sf / plt	1600	<table border="1"> <tr><td>Flow Capacity</td><td>D 4716</td><td>16 gpm/ft of width</td></tr> <tr><td>Core Compression Strength</td><td>D 1621 mod</td><td>15,000 lbs/ft²</td></tr> <tr><td>Fabric Grab Tensile Strength</td><td>D 4632</td><td>110 lbs.</td></tr> <tr><td>Fabric Grab Elongation</td><td>D 4632</td><td>60%</td></tr> <tr><td>Fabric Puncture Strength</td><td>D 4833</td><td>65 PSI</td></tr> <tr><td>Fabric Flow Rate</td><td>D 4491</td><td>150 gpm/ft²</td></tr> </table>	Flow Capacity	D 4716	16 gpm/ft of width	Core Compression Strength	D 1621 mod	15,000 lbs/ft ²	Fabric Grab Tensile Strength	D 4632	110 lbs.	Fabric Grab Elongation	D 4632	60%	Fabric Puncture Strength	D 4833	65 PSI	Fabric Flow Rate	D 4491	150 gpm/ft ²
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 <p>POLYFLOW® 18</p> <p>Polyflow® 18 Drainage Mat is a two-part prefabricated geocomposite drain consisting of a formed polystyrene core covered on one side with woven mono-filament filter fabric. The fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core. The core allows the water to flow to designated drainage exits. Polyflow® 18 is designed for use on horizontal applications.</p>	<ul style="list-style-type: none"> Compatible as a protection layer for Polyguard® waterproofing membranes Designed for use on foundation walls, retaining walls, inclined drains, trench drains, interceptor drains, embankment drainage, earthen dams, under slabs, under foot traffic pavers, and planters Designed to move 21 gpm per foot of width Compressive strength of 18,000 lbs. per sf 	<table border="1"> <tr><td>roll size</td><td>4' X 50'</td></tr> <tr><td>rolls / ctn</td><td>1</td></tr> <tr><td>rolls / plt</td><td>8</td></tr> <tr><td>lbs / roll</td><td>50</td></tr> <tr><td>sf / ctn</td><td>200</td></tr> <tr><td>sf / plt</td><td>1600</td></tr> </table>	roll size	4' X 50'	rolls / ctn	1	rolls / plt	8	lbs / roll	50	sf / ctn	200	sf / plt	1600	<table border="1"> <tr><td>Flow Capacity</td><td>D 4716</td><td>21 gpm/ft of width</td></tr> <tr><td>Core Compression Strength</td><td>D 1621 mod</td><td>18,000 lbs/ft²</td></tr> <tr><td>Fabric Grab Tensile Strength</td><td>D 4632</td><td>365x200 lbs.</td></tr> <tr><td>Fabric Grab Elongation</td><td>D 4632</td><td>10%</td></tr> <tr><td>Fabric Puncture Strength</td><td>D 4833</td><td>105 PSI</td></tr> <tr><td>Fabric Flow Rate</td><td>D 4491</td><td>100 gpm/ft²</td></tr> </table>	Flow Capacity	D 4716	21 gpm/ft of width	Core Compression Strength	D 1621 mod	18,000 lbs/ft ²	Fabric Grab Tensile Strength	D 4632	365x200 lbs.	Fabric Grab Elongation	D 4632	10%	Fabric Puncture Strength	D 4833	105 PSI	Fabric Flow Rate	D 4491	100 gpm/ft ²
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 <p>LOWFLOW™</p> <p>Lowflow™ Protection and Drainage System is a high-strength, multi-layer fabric composite, designed to protect underlying waterproofing membranes and provide a low cost drainage mat which is suitable for most clay soil conditions.</p>	<ul style="list-style-type: none"> Thick, two component fabric mat structure Drainage rate equates to an ability to remove approximately 50 gallons of water per hour from each 100 foot length of foundation Lowest cost protection and drainage system available 	<table border="1"> <tr><td>roll size</td><td>4' X 200'</td></tr> <tr><td>rolls / ctn</td><td>1</td></tr> <tr><td>rolls / plt</td><td>9</td></tr> <tr><td>lbs / roll</td><td>100</td></tr> <tr><td>sf / ctn</td><td>800</td></tr> <tr><td>sf / plt</td><td>7200</td></tr> </table>	roll size	4' X 200'	rolls / ctn	1	rolls / plt	9	lbs / roll	100	sf / ctn	800	sf / plt	7200	<table border="1"> <tr><td>Grab Strength</td><td>ASTM D 4632</td><td>200 lbs.</td></tr> <tr><td>Tear Strength</td><td>ASTM D 4533</td><td>70 lbs.</td></tr> <tr><td>Puncture Resistance</td><td>ASTM D 4833</td><td>80 lbs.</td></tr> <tr><td>Fabric Weight</td><td>ASTM D 3776</td><td>≥ 9.5 oz/ft²</td></tr> </table>	Grab Strength	ASTM D 4632	200 lbs.	Tear Strength	ASTM D 4533	70 lbs.	Puncture Resistance	ASTM D 4833	80 lbs.	Fabric Weight	ASTM D 3776	≥ 9.5 oz/ft ²						
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TOTALFLOW™ SYSTEM

PRODUCT AND DESCRIPTION	FEATURES AND BENEFITS	PACKAGING INFO	TECHNICAL INFORMATION																											
 <p>TOTALFLOW™ SYSTEM</p> <p>Totalflow™ is a combination of our Polyguard® Totalflow™ sheet drain products with our unique Total Flow product. In the Totalflow™ System, the sheet drain performs its normal function of water collection, while the Total Flow section provides both water collection and a high-profile section allowing for high-capacity water flow to designated drainage exits. Custom Tee and End Outlets are available with this system for fast and easy installation.</p>	<ul style="list-style-type: none"> The high-profile Totalflow™ section has a larger open area than perforated pipe, allowing it to accept higher water flow from the sheet drain and surrounding soil The manufactured transition between the sheet drain and high profile section provide a secure flow path that is not dependent upon field installation Fast and easy to install, eliminating the select backfill requirements that are normally required to provide strength to perforated pipe 	<table border="1"> <tr><td>roll size</td><td>24" X 50'</td></tr> <tr><td>rolls / ctn</td><td>1</td></tr> <tr><td>rolls / plt</td><td>12</td></tr> <tr><td>lbs / pc</td><td>30</td></tr> <tr><td>lf / roll</td><td>50</td></tr> <tr><td>lf / plt</td><td>600</td></tr> </table>	roll size	24" X 50'	rolls / ctn	1	rolls / plt	12	lbs / pc	30	lf / roll	50	lf / plt	600	<table border="1"> <tr><td>Flow Capacity - Sheet Selection</td><td>ASTM D 4716</td><td>21 gal/min/ft²</td></tr> <tr><td>Flow Capacity - High Profile Section</td><td>ASTM D 4716</td><td>150 gal/min/ft²</td></tr> <tr><td>Core Compression Strength</td><td>D 1621</td><td>9,00 psf</td></tr> <tr><td>Core High Profile Section</td><td>ASTM D 1777</td><td>1.0 inch</td></tr> <tr><td>Core Sheet Selection</td><td></td><td>7/16 inch</td></tr> </table>	Flow Capacity - Sheet Selection	ASTM D 4716	21 gal/min/ft ²	Flow Capacity - High Profile Section	ASTM D 4716	150 gal/min/ft ²	Core Compression Strength	D 1621	9,00 psf	Core High Profile Section	ASTM D 1777	1.0 inch	Core Sheet Selection		7/16 inch
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Accessory Products

Polyguard®, as a single source manufacturer, offers all the necessary building envelope components, from under the slab to the roof. This includes our comprehensive line of superior accessory products that are also compatible with most common structural construction materials.

ADHESIVES / SEALANTS / MASTICS & CUSTOM DETAILING

PRODUCT AND DESCRIPTION

PACKAGING INFO

650 LT ADHESIVE

650 LT Liquid Adhesive is a rubber based adhesive in solvent solution which is specifically formulated to provide excellent adhesion with the Polyguard® waterproofing membranes under many kinds of surface conditions. It is designed for use as a primer for all structural concrete, masonry, insulation, or wood surfaces on which waterproofing membranes will be applied.

container	volume
pails	1 gal
pails	5 gal

650 MASTIC

650 Mastic is an asphalt/rubber based mastic which provides excellent adhesion to the 650 Waterproofing Membrane, structural concrete, masonry and wood surfaces. It is designed to protect the termination edges, overlaps, patches, and any additional detailing area.

container	volume
pails	5 gal
tubes	30 oz

DETAIL SEALANT PW™

Detail Sealant PW™ is a new generation, environmentally-friendly, non-isocyanate adhesive/sealant that replaces silicone and urethane sealants. Non-corrosive and non-staining, Detail Sealant PW™ is a low VOC/HAPS free, high performance, flexible sealant that is solvent free. Detail Sealant PW™ is designed for filling minor cast concrete cracks, concrete masonry cracks, gaps at head joints, penetrations, and gypsum sheathing joints.

container	volume
pails	3 gal
sausage	20 oz

SHUR-TAC LIQUID ADHESIVE

Shur-Tac Liquid Adhesive is a polymer emulsion based adhesive which is specifically formulated to provide excellent adhesion with the Polyguard® waterproofing and flashing membranes under many kinds of surface conditions. It is designed for use on dry surfaces to condition them to be dust free so that the substrate is suitable for the application of self-adhering membranes.

container	volume
pails	1 gal
pails	5 gal

GREEN CONCRETE LIQUID ADHESIVE

Green Concrete Liquid Adhesive is a rubber based adhesive in solvent solution which is specifically formulated to provide excellent adhesion with the Polyguard® waterproofing membranes under many kinds of surface conditions. It is designed to prime green concrete less than seven day cure for normal structural concrete.

container	volume
pails	5 gal

QUICK GRIP ADHESIVE

Quick Grip is an industrial-grade aerosolized adhesive in a portable spray system, formulated to adhere protection courses, drainage composites, insulations, air and vapor barrier membranes, waterproofing membranes, and through wall flashings to a variety of substrates. It contains no chlorinated solvents and offers an excellent alternative to methylene chloride-based products. Quick Grip provides a fast and economical solution to most building envelope component adhesive requirements.

container	volume
canister	30 lbs

606 TAPE

606 Tape is a high strength double-sided tape comprised of rubberized asphalt. The tape is supplied in rolls in 4" and 6" widths and utilizes both Kraft paper and plastic film release sheets which are removed prior to application. 606 Tape provides a fast, non-volatile solution for sealing seams and providing tie-in details for various Polyguard® membranes, including the Underseal® product line.

roll sizes	4" x 50'
	6" x 50'
rolls / ctn	6 or 4
ctns / plt	45
sf / ctn	100

DETAIL TAPE

Detail Tape is a strong, pliable, self-adhesive sheet consisting of high density polyethylene film bonded to a layer of rubberized asphalt waterproofing compound. The membrane is wound onto a disposable silicone treated release sheet to prevent the membrane from sticking onto itself while on the roll. Detail Tape is used as detail strips on inside and outside corners, penetrations, expansion joints, control joints, cold joints, and for patching damaged areas of the 650 and PRM™ membranes.

roll size	12" x 50'
rolls / ctn	4
ctns / plt	24
sf / ctn	200

PRODUCT AND DESCRIPTION

PACKAGING INFO

LM-85 SL

LM-85 SL is a self-leveling two compound urethane material that is specifically formulated to be used as a flood coat waterproofing membrane for new and recondition work. It contains no solvents and 100% solids, is UV stable for up to 3 months, and is a pourable sealer.

container	volume
pails	5 gal

LM-95

LM-95 is a two part component urethane waterproofing membrane to be used in a variety of applications in conjunction with the Polyguard® waterproofing system. It is designed for use in several different detailing applications, including creating a fillet at the junction of the footing and foundation, creating a collar around drain detailing area, as a termination flashing material for protrusions through the waterproofing system, and for terminations and flashings to curbs and parapets on plaza decks or other similar horizontal applications.

container	volume
pails	2 gal

CALIFORNIA SEALANT

California Sealant is a rubber based sealant in solvent solution which is specifically formulated to provide excellent adhesion for waterproofing membranes under many kinds of surface conditions. The VOC content meets the South Coast Air Quality Management District regulations established under the February 1, 1991 version of Rule 1168 © (2) Adhesion and Sealant Applications.

container	volume
pails	5 gal

POLY COVER

Poly Cover is a preformed dome shaped tie back cover made with heavy duty, high impact ABS plastic. It is designed to cover protruding tie-back bolts less than 6" in height in lagging and retention walls prior to application of the Underseal® Blindsight membrane.

size	6"x14"x14"
amt / carton	10

UNDESEAL® CORNER BOOTS

Polyguard® Corner Boots are a 60-mil combination of rubberized asphalt bonded to polyethylene. The adhesive surface is covered with a release liner which will be removed prior to application. The Inside Corner Boot is applied to the inside corner to reinforce and seal the corners of the waterproofing membrane. The Outside Corner Boot is applied to the outside corner to reinforce and seal the waterproofing membrane. The Pit Top Corner Boot is applied in the corner to reinforce and seal the corners of the waterproofing membrane. Custom Boots are also available for our Balconyguard™ product.

item	size
Inside Corner	12"x12"x12"
Outside Corner	6"x6"x10"
Pit Top Corner	6"x6"x10"

FABRIC TAPE

Fabric Tape is a rubberized asphalt waterproofing membrane laminated to a polypropylene fabric backing. The membrane is wound onto a disposable silicone treated release sheet to prevent the membrane from sticking onto itself while on the roll. Fabric Tape is used around pipe penetrations with an annular space of pipe through opening exceeding 1/2", end laps and for patching damaged areas of the Blindsight™ and Underslab waterproofing membranes.

roll size	12" X 200'
rolls / ctn	1
rolls / plt	24
sf / roll	200

CRACK INJECTION PRODUCTS

PRODUCT AND DESCRIPTION

PACKAGING INFO

URETHANE INJECTION

Urethane Injection is a hydrophobic polyurethane liquid that adheres to wet or dry cementitious substrates and then expands during reaction with water to form a closed cell water repellent barrier. It is designed for repairs of intermittent leaks along cracks or movement joints where less than 20% movement is anticipated.

container	volume
tubes	22 oz
tubes / case	6

PORT & SURFACE

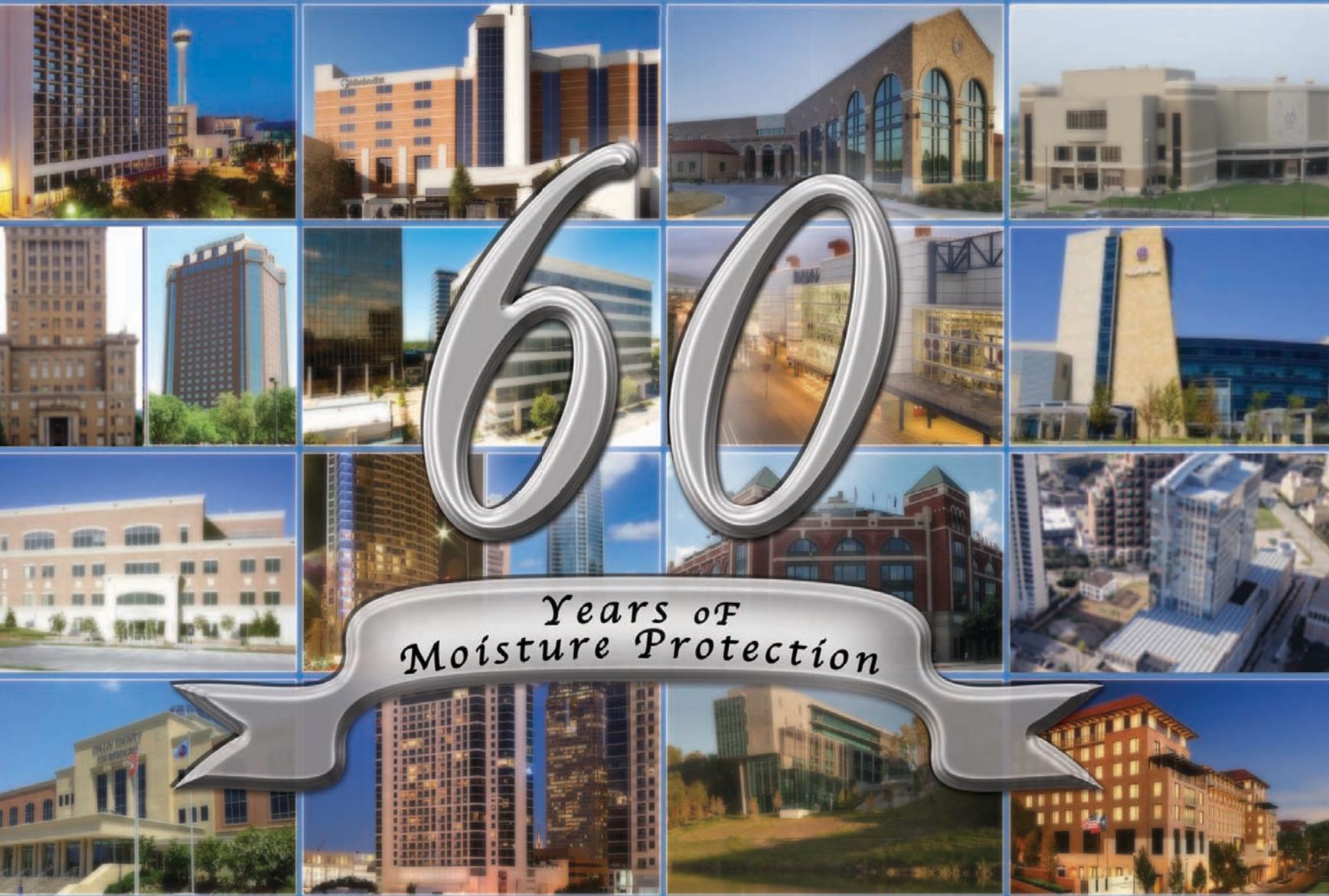
Port & Surface 2/20 is a high-strength, two-part, room temperature curing adhesive system designed for use with urethane injection. Port & Surface 5/30 is a high-strength, two-part, solvent free, moisture insensitive, room temperature curing smooth paste epoxy adhesive system designed for use with urethane injection.

container	volume
tubes	22 oz
tubes / case	6



Integrated Building Envelope®

For over 60 years, Polyguard® has been manufacturing and promoting high quality and high performing waterproofing products. Through the years, we have added additional components such as fluid-applied air barrier systems, wall systems, drainage systems and a full line of complimentary accessory products to complete our Integrated Building Envelope™ System. Polyguard's high quality engineered products have been protecting structures from Moisture and Air intrusion on thousands of projects across the U.S. and globally. Our complete line of commercial grade Waterproofing, Air Barrier, and Drainage products help designers and contractors protect their projects. Polyguard's below grade waterproofing product line includes membranes intended for both pre and post concrete pour applications and our Air Barrier products have passed NFPA 285 test protocols. When your project calls for protection think of Polyguard first! "Moisture and Air Stop with us!"



Polyguard®

Innovation based. Employee owned. Expect more.

Architectural Products Division
Phone: 214-515-5000 • Fax: 972-875-9404

www.polyguardproducts.com archdivision@polyguardproducts.com



Polyguard® Products, Inc. is proud to be a member of these industry organizations:

