



High-Performance Polyurea and Polyurethane Membranes and Linings

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**POLYFLEX 201 AQUA-GUARD**

[data sheet](#)

**POLYFLEX 201** is a high-performance, polyurea membrane designed to provide excellent waterproofing, anti-corrosive protection and abrasion resistance in a wide variety of climatic conditions. Especially well suited for full water immersion, Polyflex 201 delivers excellent protection and durability.

FEATURES

- Superior anti-corrosive protection for metal, wood and masonry substrates
- Ideal for use in secondary containment (effluent, water, petroleum product) and water treatment
- Excellent abrasion resistance
- Application on geotextile to form ponds, to retain overflow, prevent effluent, water and petroleum product leakage
- Repair or replacement of existing membranes
- Approved for accidental food contact by the **Canadian Food Inspection Agency** 

RECOMMENDED USES

- Waste-water treatment plants
- Secondary containment
- Pulp and paper mills
- Food processing facilities
- Refineries
- Concrete waterproofing

**POLYFLEX 202 HI-CHEM**

[data sheet](#)

**POLYFLEX 202** is a high-performance polyurea membrane with superior chemical resistance properties. With both high hardness and good flexibility, it provides long-term durability. Polyflex 202 is specially engineered for constant immersion in petroleum products.

FEATURES

- Especially appropriate for waterproofing surfaces and tanks containing chemical or petroleum products
- Chemical resistant primary containment
- Chemical resistant secondary containment
- Provides an excellent waterproof protection on steel and other substrates
- Good anti-corrosive protection for steel
- Can be used to repair or replace an existing membrane
- Application on geo textile to form ponds, to retain overflow, prevent water and petroleum product leakage
- Provides better flexibility than epoxy linings

RECOMMENDED USES

- Containment and lining for petrochemical cargo
- Refineries
- Chemical processing facilities
- Water and wastewater treatment facilities
- Pulp and paper mills
- Steel and concrete tanks
- Food processing facilities
- Concrete and steel structures
- Floors in severe chemical service
- Pipes

**POLYFLEX 203 UV-SHIELD**

[data sheet](#)

**POLYFLEX 203**, a high-performance aliphatic polyurea membrane designed to provide excellent waterproofing, corrosion and abrasion resistance in a variety of climatic conditions. Its aliphatic structure ensures strong color retention for outdoor applications. Polyflex 203 also provides excellent protection and durability in continuous water immersion and roofing applications.

FEATURES

- Superior anti-corrosive protection for steel
- Protective membrane on metal, masonry, wooden reservoirs, silos and a variety of pipes and stone slabs
- Outstanding color retention
- Excellent abrasion resistance

RECOMMENDED USES

- Waste-water treatment plants
- Waterproofing concrete
- Pulp and paper mills
- Roofing
- Corrosion protection for steel

- Fast drying, back in service rapidly
- Can be used to repair or replace existing membrane
- Easy to apply
- Food processing facilities
- Refineries



## POLYFLEX 204 RESTOR-IT



**POLYFLEX 204** is a high-performance manual application repair kit designed for interior or exterior use and can be used as a full application polyurea membrane. It is flexible, self-leveling and high in solids. Due to its aliphatic nature Polyflex 204 is suitable for interior and exterior applications.

### FEATURES

- Can repair and/or replace existing membrane
- Can be used to repair cracks
- Very high in solids
- Minimal stresses in the application process
- Easy to pour, applicable by brush, self-leveling
- Compatible with Polyurea and polyurethane
- Provides good waterproofing
- Excellent flexibility
- Superior abrasion and impact resistance
- Exceptional weather resistance characteristics

### RECOMMENDED USES

- Excellent for garage and parking decks
- Repair and fill cracks
- Full surface application
- Repair kit for Polyurea linings
- Waterproofing concrete substrates



## POLYFLEX 301 MULTI-DUTY



**POLYFLEX 301** is a high-performance versatile polyurea membrane designed for industrial applications where abrasion resistance and/or waterproofing are required. From ease of use to cold application, it's amazing versatility makes it our top seller and a workhorse for achieving results. Polyflex 301 is also ideally suited for use in secondary containment on geotextile.

### FEATURES

- Protective membrane on metal, masonry, wooden reservoirs, silos and many kinds of pipes and stone slabs
- Excellent cold weather flexibility
- Available in "Fire Retardant" version
- Excellent resistance to the calorific impact

### RECOMMENDED USES

- Excellent for garage and parking decks
- Truck bed liners
- Mining industries
- Pipe applications (exterior)
- Repair or replace an existing membrane
- Application on geo-textile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage



## POLYFLEX 304 ULTRA-CHEM



**POLYFLEX 304** is a high-performance Polyurea Hybrid membrane designed for the protection of steel and/or concrete substrates. Polyflex 304 is engineered for industrial applications requiring superior chemical resistance, waterproofing or elements buried in soil.

### FEATURES

- Fast drying
- Exceptional corrosion resistance
- Excellent waterproofing
- Direct application to properly prepared steel surfaces
- Superior chemical resistance
- Solvent free, 100% solids
- Provides structural reinforcement
- Can be applied with low pressure, static mixer equipment

### RECOMMENDED USES

- Secondary containment
- Truck and bed liners
- Mining industries
- Steel pipe protection (interior/exterior)
- Repair or replace existing membranes
- Concrete pipe protection (interior/exterior)
- Superior protection against petroleum and chemicals



## POLYFLEX 311 MULTI-SHIELD



**POLYFLEX 311** is a high-performance multi-purpose polyurea membrane with a longer gel time. It is designed for general industrial application where abrasion resistance and/or waterproofing or better leveling are required.

### FEATURES

- Protective membrane on metal, masonry, wooden reservoirs, silos and many kinds of pipes and stone slabs
- Repair or replace existing membranes
- Application on geotextile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage
- Excellent resistance to the calorific impact
- Polyflex 311FR meets ULC/ORD-C58.9 fire standards

### RECOMMENDED USES

- Excellent for garage and parking decks
- Truck bed liners
- Mining industries
- Secondary containment
- Repair or replace an existing membrane
- Pipe applications (exterior)



## POLYFLEX 401 POLAR-GUARD



**POLYFLEX 401** is a high-performance, aromatic polyurea membrane. It provides excellent abrasion and shock absorbing characteristics and can be used in a great variety of climatic conditions while continuing to offer excellent durability. Provides excellent protection especially when service conditions require flexibility and protection in cold and below freezing temperatures. Used in numerous high demand situations including: material handling equipment, containment applications, gravel guards and roofing applications.

#### FEATURES

- Outstanding impact resistance
- Excellent flexibility under extreme cold temperatures
- Provides an excellent waterproof protection on rigid urethane insulation
- Protective membrane on metal, masonry, wooden reservoirs, silos and many kinds of pipes and stone slabs
- Application on geotextile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage
- Repair or replace existing membranes
- Excellent abrasion resistance
- Rubberized membrane with excellent elongation

#### RECOMMENDED USES

- Excellent for garage and parking decks
- Can be used for truck bed liners
- Containment and secondary containment floors
- Material handling equipment
- Gravel guard application
- Can be used to repair or replace an existing membrane
- Roofing applications
- Pulp and paper mills
- Pipes

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## POLYFLEX 402 SLOW-SET



**POLYFLEX 402** is a high-performance polyurea membrane. Extended gel time provides superior leveling, ideal for flooring applications. It provides excellent abrasion and waterproofing protection. Available in a variety of colors.

#### FEATURES

- Protective membrane on metal, masonry, wooden reservoirs, silos and many kinds of pipes and stone slabs
- Provides an excellent waterproof protection
- Optimum leveling
- Can be applied with a low pressure spray machine with static mixer
- Specially developed for industrial floors
- Excellent hardness

#### RECOMMENDED USES

- Excellent for garage and parking decks
- Truck bed liners
- Industrial floors with chemical resistance
- Repair or replace an existing membrane
- Excellent for industrial floors



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## POLYFLEX PW AQUA-PUR



**POLYFLEX PW** is a **NSF61 CERTIFIED** high-performance Polyurea lining for use on both steel and concrete water tanks. Polyflex PW offers superior service life in a variety of climatic conditions for potable water. **RAPID RETURN TO SERVICE.**

#### FEATURES

- Specially designed for piping and tanks that contain potable, fresh and salt water
- Superior anti-corrosive protection for steel
- Protective membrane on metal, masonry, wooden reservoirs, silos and many kinds of pipes and stone slabs
- Results in a smooth seamless membrane & aesthetic surface
- Repair or replace existing membranes
- Application on geotextile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage
- Approved by **NSF61**
- Back to service in as little as 24 hours
- NO VOC's and low odor

#### RECOMMENDED USES

- Potable water tank linings
- Water and waste-water treatment plants
- Food processing Facilities
- Pulp and paper mills
- Corrosion protection for steel
- Chemical Processing Facilities
- Pipe linings
- Refineries



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## POLYFLEX 53 AQUA-GUARD plus



**POLYFLEX 53** is a high-performance **Polyurethane – Polyurea Thick Elastomeric** coating that was specially designed in order to provide high waterproofing performance by regular methods of application.

#### FEATURES

- High hydro insulation and waterproofing
- Good elasticity and flexibility
- High film build in one coat
- Can be used for full coating, repair kit, bonding layer
- Applied by brush, roller squeegee and airless or conventional spray
- Cold weather cure for temperatures down to -10°C (15°F)
- Excellent impact resistance
- Can be used as a crack filler when mixed with sand

#### RECOMMENDED USES

- Waterproofing of concrete, wooden surfaces and industrial civilian buildings
- Self-leveling & crack filling floor application



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## POLYFLEX 54 CORRO-SHIELD plus



**POLYFLEX 54** is a high-performance **Polyurethane – Polyurea Iron Oxide based Elastomeric** coating specially designed to provide a superior anticorrosion performance by regular methods of application.

#### FEATURES

- Excellent anti-corrosion and hydro insulation characteristics
- High film build in one coat
- Applied by brush, roller, squeegee and spray by conventional or special plural component spraying

#### RECOMMENDED USES

- Long term protection of steel and concrete surfaces against corrosion
- Effective anticorrosion protection on exterior parts of pipes and tanks

- equipment **XM XTREEM**
- Outstanding hardness
- Excellent hydrophobic and waterproofing performance
- Cold weather cure for temperatures down to -10°C (15°F)
- Good abrasion resistance
- Chemical resistance to low concentrated acids and alkaline

## POLYFLEX 55 ULTRA-CHEM *plus*



**POLYFLEX 55** is a high-performance **Polyurethane – Polyurea Highly Crosslinking Elastomeric** coating specially designed to provide a superior chemical and abrasion resistant performance by regular methods of application.

### FEATURES

- Excellent chemical resistance
- High film build in one coat
- Can be used for full coating or as a repair kit
- Applied by brush, roller, squeegee and spray by conventional or plural component spraying equipment Graco XM pump
- Exceptional hardness and toughness
- Excellent hydrophobic & water proofing performance
- Cold weather cure for temperatures down to -25°C (-13°F)
- Excellent wear/abrasion resistance

### RECOMMENDED USES

- Protection on steel and concrete surfaces from occasional splashing of chemicals
- Interior lining of tanks and pipes
- Chemical resistant flooring
- Protection of mining equipment from abrasion wear and chemicals

## POLYFLEX 56 UV-SHIELD *plus*



**POLYFLEX 56** is a high-performance **Aliphatic Polyurethane – Polyurea Thick Elastomeric** coating that was specially designed in order to provide a superior UV-resistant performance by regular methods of application.

### FEATURES

- Superior UV-resistance
- Excellent color and gloss retention
- High film build in one coat
- Can be used for full coating or repair kit
- Applied by brush, roller squeegee and airless or conventional spray
- Exceptional hardness and toughness
- Excellent hydrophobic and water proofing performance
- Cold weather cure for temperatures down to -10°C (14°F).
- Excellent impact resistance
- Good abrasion resistance

### RECOMMENDED USES

- Protection of steel and concrete surfaces against weathering
- External protection of pipes and tanks
- Water proofing of industrial and civilian buildings
- Hydro insulation of diverse concrete and wooden facilities
- Industrial and commercial flooring with excellent Indoor and outdoor color stability

## POLYFLEX 448 HI-BUILD EPOXY



**POLYFLEX 448** is a two-component high build modified **Polyamine Epoxy**. It can be used as a high-performance primer in immersion and for the following applications: properly prepared steel, intermediate coat, for field or for shop applications. It can also be used for roughened galvanized or roughened stainless steel surface.

### FEATURES

- No induction time
- High film build 10 - 15 mils D.F.T (250 - 375 microns)
- Excellent adhesion to blasted steel or concrete
- Excellent adhesion to tightly adhered rust
- Fresh and salt water resistant
- Can be recoated with itself
- Excellent chemical resistance: resists splash and spillage of alkalis, greases, salts and oil
- For long term color and gloss retention use aliphatic polyurethane topcoat 8000 series
- Excellent corrosion resistance
- Surface tolerant

### RECOMMENDED USES

- Bridges and high-performance architecture
- Piping and tanks
- Pulp and paper mills
- Chemical plants and refineries
- Water and wastewater treatment facilities
- Mining and fertilizer plants

## MONO FERRO PUR MIO PRIMER



Micaceous iron oxide (MIO)-pigmented, one-component, moisture-cure polyurethane used as a primer, Intermediate coat or "overcoat" over aged alkyds, vinyls, or epoxies. Can also be applied over SSPC-SP-2, SP-3 SP-6 or SP-11 surface preparations. May also be used as a non-lightstable topcoat.

### FEATURES

- Can be used as spot or full primer and as an interior topcoat
- Application in damp, cold, humid, or foggy conditions
- Application directly to steel, aluminum, or galvanized metal
- Intermediate coat over Xymax® Mono Zinc ME III, Mono Zinc, Mono Zinc 390, Mono Lock PP, Xyguard or itself
- Excellent overcoat for aged alkyds, epoxies, and vinyls
- May also be applied directly to concrete
- Can be applied at a minimum of -7°C (20°F) and humidity up to 99%; no dew point temperature differential restrictions
- May be used as a field touch-up over inorganic zinc
- Excellent adhesion properties to tightly adhering rust

### RECOMMENDED USES

- Excellent for garage and parking decks
- Can be used for truck bed liners
- Containment and secondary containment floors
- Material handling equipment
- Gravel guard application
- Can be used to repair or replace an existing membrane
- Roofing applications
- Pulp and paper mills
- Pipes

- Quick recoat times, excellent recoatability
- Does not become brittle with age, resists mechanical damage
- pH range 3 to 11



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## POLYFLEX 101645 SURFACE ACTIVATOR



**Polyflex 101645 Surface Activator** is a specially formulated solvent blend designed to activate the membrane surface in order to achieve a better inter-coat adhesion.

### FEATURES

- Fast Drying
- Single Component
- Easy to Apply

### RECOMMENDED USES

- Repair an existing membrane
- Overcoat existing membrane
- Incidental patching
- Surface cleaning
- Gun and tool cleaning

