

**WASSER**<sup>®</sup>  
ADVANCED COATINGS TECHNOLOGY



**TURNING BIG  
IDEAS INTO GREAT  
PRODUCTS**

[WASSERCOATINGS.COM](http://WASSERCOATINGS.COM)

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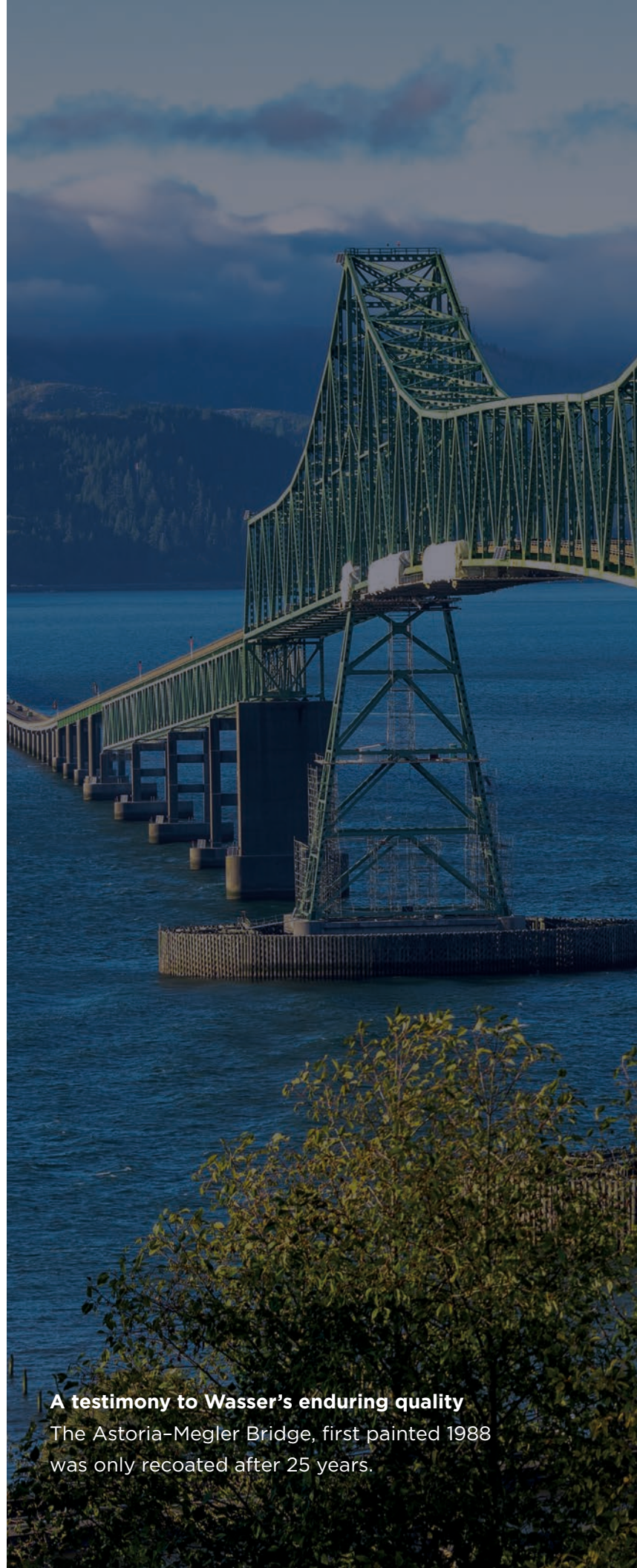
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**A testimony to Wasser's enduring quality**

The Astoria-Megler Bridge, first painted 1988 was only recoated after 25 years.



# WHO WE ARE

Wasser is an industry leader in advanced coatings technology, manufacturing a full line of high-performance industrial maintenance coatings that provide unprecedented levels of protection.

Right from the start, (1988), Wasser earned a reputation as the expert in single component Moisture Cured Urethanes (MCU). Today, the creation of a new approach to a project's specifications and products in the corrosion protection industry has been realized due to the great success the innovative MCU technology has had.

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**No matter your challenge,  
Wasser has you covered.**

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In addition to the MCU's unsurpassed protective qualities, there are other advantages as well. Wasser's Moisture Cured Urethanes are applied with traditional application methods, they meet or exceed industry VOC standards and can be utilized in extreme environmental conditions expanding the "application window" while reducing operational costs. No wonder that Wasser MCU coatings have become the product of choice for facility owners, engineers and applicators alike.



Constantly improving by innovating barrier protection with our Polyflex polyurea lines, a series of thick-film linings, membranes and specialty coatings developed for a wide variety of applications. Some of our products feature NSF certification, fire retarders, and exceptionally fast return-to-service times.



# WHAT WE DO

## Advantages of Moisture Cured Urethane Technology

- Single pack, no mixing of A & B
- Cross-links internally
- Reacts with atmospheric moisture
- Can be applied in extreme environmental conditions
- No outer re-coat window on clean surfaces
- No pot life
- No dew point restrictions
- Can be applied at 10°F-120°F
- Can be applied 99% RH
- Low VOC (<100 g/l)

## URETHANE RESIN TECHNOLOGY

### Primer & Intermediate:

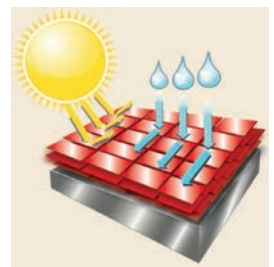
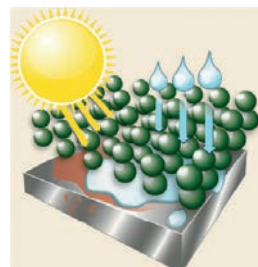
- Aromatic urethane resin
- Chemical resistant
- High zinc load
- Most contain MIO
- Aromatic resins have tenacious adhesion properties

### Top Coat:

- Aliphatic, UV stable urethane resin
- Proven color and gloss retention
- Some are MIO filled
- Excellent resistance to abrasion and mechanical damage
- Unlimited colors available

## MICACEOUS IRON OXIDE

- MIO is a lamellar hematite
- MIO has protective properties
- MIO provides reinforcement of the film
- MIO promotes adhesion, barrier protection and increases coating edge retention



# MOISTURE CURED URETHANES

## What do MCU's do for you?

There are two reasons to coat a surface:  
**PROTECTION AND AESTHETICS.**

**Wasser urethanes accomplish BOTH!**



## PERFORMANCE ADVANTAGES

- Quick return to service
- Wasser MCU's have no dew point restrictions
- Ideal system for use with water-jetting surface preparation methods.
- Systems available that can be returned to immersion service in 24 hours
- Low environmental impact with VOC levels as low as 100 g/l
- Superior performance and cost effectiveness
- Allows application in all seasons
- Over 30 years of proven performance
- Cures at temperatures as low as 10°F
- Retains flexibility and does not stress existing coating systems

WASSER®

# OUR MCU PRODUCTS

PRIMERS | INTERMEDIATES | TOPCOATS | SPECIALTIES

## PRIMERS

### MC-Universal 100

MC-Universal meets strict VOC specifications for industrial maintenance coatings. This non-metallic Direct to Metal (DTM) primer is ideal for protecting SSPC-SP-6 blasted steel, pitted steel or steel with complex geometry. Primarily used as a metal or concrete primer.

### MC-Zinc 100

MC-Zinc is Wasser's proven, high-performance, single-component, moisture-cure urethane, organic zinc-rich primer is formulated to meet the strict VOC requirements for industrial maintenance coatings. 83% zinc in the dry film makes MC-Zinc 100 the optimum, zinc-rich primer. It serves as Wasser's "Slip B" primer for NEPCOAT systems. And can be used as a weldable primer.

### MC-Miozinc 100

MC-Miozinc is a combination of zinc and micaceous iron oxide (MIO) pigments which makes this primer ideal for protecting pitted steel and steel with complex geometry. Designed for hand and power tool surface preparation.

### MC-Prepbond 100

MC-Prepbond is Wasser's penetrating, moisture cure urethane primer for ferrous and non-ferrous metal substrates. It is ideal for use as a tie coat over most existing coatings and can be used in red lead encapsulation systems.

## TOPCOATS

### MC-Luster 100

MC-Luster is Wasser's most specified, aliphatic, semi-gloss topcoat and is VOC compliant to the strictest standards for industrial maintenance coatings. MC-Luster is an ideal MCU topcoat with easy re-coatability, excellent resistance to UV exposure, weathering, and abrasion.

### MC-Ferrox A 100

MC-Ferrox A is Wasser's MIO Filled aliphatic moisture cure topcoat MC-Ferrox A meets the strictest standards for industrial maintenance coatings. It serves as Wasser's topcoat for NEPCOAT systems.

### MC-Shieldcoat 100

MC-Shieldcoat is Wasser's gloss-finish, moisture cure, aliphatic topcoat. This gloss topcoat provides excellent resistance to UV exposure, weathering and abrasion in a single pack MCU coating. This topcoat selection has reliable performance for application in various service environments, project types and substrates and is compliant to the strictest VOC standards at less than 100 grams per liter.

### MC-Clear 100

MC-Clear is Wasser's, gloss and semi gloss and aesthetic topcoat. It provides excellent resistance to UV exposure, weathering and abrasion in a moisture cure urethane coating. This topcoat selection has reliable, aliphatic urethane topcoat performance and its moisture cure properties allow for application in various service environments, project types and substrates. Also available satin.

### MC-Antigraffiti 100

MC-Antigraffiti is Wasser's single component, low VOC, non-sacrificial, moisture cure, aliphatic urethane topcoat. It is an ideal topcoat for concrete, metal and surfaces that require superior UV protection and easy removal of graffiti. It's also available with Anti Microbial properties to produce a coating film resistant to microbial attachment and growth.

### Wasser Polyflex 102 Rapid Thane

Polyflex 102 is a two-component, high-build aliphatic topcoat. Designed for use over one of Wasser's MCU primers, this product is a part of a revolutionary rapid deployment system that saves both time and money.

## INTERMEDIATES

### MC-Ferrox B 100

MC-Ferrox B is Wasser's most specified MIO filled intermediate for new construction and maintenance project applications.

### MC-Universal 100

MC-Universal is a resin rich non-metallic intermediate/tie-coat which is ideal for overcoating existing systems. It ensures corrosion protection in areas prone to pin-holing leaving a resin rich film for uniform application of topcoats.

### MC-Miomastic 100

MC-Miomastic is Wasser's premium, surface tolerant intermediate coating. It is a blend of micaceous iron oxide (MIO), zinc and corrosion inhibiting pigments. It's designed for application to moisture cure and existing sound coatings. It also is designed for lead overcoating. It serves as Wasser's intermediate for NEPCOAT systems.

## SPECIALTIES

### MC-ECO TR 100

MC-ECO TR has proven performance in severe immersion exposure, and is recommended for application on various substrates where coal tar is normally used for immersion, atmospheric, and buried environments. Wasser combined moisture cure urethane technology and proprietary blend pigments to produce a superior corrosion resistant coal tar free coating. It has the ability to provide outstanding barrier protection in one-coat or multi coat systems.

### MC-TruGrip 100

MC-TruGrip is a single component anti-slip coating with glass aggregate in the material to give excellent resistance to slippage. Its unique moisture cure urethane properties provide a strong surface for harsh environments. MC-TruGrip is designed for single coat applications over recommended primers on a variety of surfaces. Also available in Micro.

### MC-Tar 100

MC-Tar has proven performance in severe exposure, and is recommended for application on various substrates for immersion, atmospheric, and buried environments. Wasser combined moisture cure urethane technology, micaceous iron oxide, and refined tar resin to produce a superior corrosion resistant coating. It has the ability to provide outstanding barrier protection in one coat or multi coat systems.

### PURQuik-Accelerator

PURQuik® is a 100% solids proprietary additive formulated to accelerate the curing process of any Wasser Moisture Cure Urethane coating. This unique additive reduces recoat times up to 80% and effectively reduces completion times even in freezing temperatures.

### MC-Metallization Sealer

MC-Metallization Sealer is Wasser's high gloss clear topcoat for thermal spray metallizing. It provides excellent resistance to UV exposure, weathering and abrasion in a moisture cure urethane coating. This topcoat selection provides reliable, aliphatic urethane topcoat performance. Its moisture cure properties allow for application in various service environments, on various project types, or substrates.

### MC-Thinner, MC-Thinner 100

MC-Thinners are for reduction and cleanup of moisture cure urethane coatings. Wasser recommends only using MC-Thinners for reduction of their coatings.

# OUR SOLUTIONS

## Supplying Strategic Corrosion Protection Solutions to:

- Oil & Gas
- Power Generation
- Municipal Water & Waste
- Marine-Ports, & Facilities
- Bridge & Highway



### Bridge Of The Americas | Steel

**\*Primer:** MC-Ferrox B Plus 3.0-5.0 -mils DFT

**Stripecoat:** MC-Ferrox B 3.0-5.0 -mils DFT

**Topcoat:** MC-Luster 2.0-4.0 -mils DFT

\*custom designed for this project

### Shell Brunei | Steel

**Primer:** MC-Miozinc 3.0-5.0 mils DFT

**Intermediate:** MC-Miomastic 3.0-5.0 mils DFT

**Topcoat:** MC-Shieldcoat 1.0-2.0 mils DFT



### Priest Rapids Dam | Steel

**Primer:** MC-Miozinc 3.0-5.0 mils DFT

**Intermediate:** MC-Universal Primer 3.0 - 5.0 mils DFT

**Topcoat:** MC-Luster 2.0-4.0 mils DFT





# OUR PROJECTS



### Piscataqua River Bridge | Steel

**Primer:** MC-Zinc 3.0 - 5.0 mils DFT  
**Intermediate:** MC-Ferrox B 3.0 - 5.0 mils DFT  
**Topcoat:** MC-Ferrox A 2.0 - 4.0 mils DFT

**World Trade Center Boston**  
**Primer:** MC-Miozinc 3.0-5.0mils DFT  
**Intermediate:** MC-Tar 4.0-7.0 mils DFT  
**Topcoat:** MC-Tar 4.0 - 7.0mils DFT



### NY, Highline Elevated Park

**Primer:** MC-Miozinc 3.0-5.0 mils DFT  
**Intermediate:** MC-Miomastic 3.0-5.0 mils DFT  
**Topcoat:** MC-Luster 2.0-4.0 mils DFT



### Hungry Horse Dam | Concrete

**Primer:** MC-CR 3.0 - 5.0 mils DFT  
**Intermediate:** MC-Tar 5.0 - 7.0 mils DFT  
**Topcoat:** MC-Tar 5.0 - 7.0 mils DFT



### Cushman Dam | Steel

**Primer:** MC-Miozinc 3.0 - 5.0 mils DFT  
**Intermediate:** MC-Miomastic 3.0-5.0 mils DFT  
**Topcoat:** MC-Luster 2.0-4.0 mils DFT



### Canby Ferry | Steel

**Primer:** MC-Miozinc 3.0-5.0 mils DFT  
**Intermediate:** MC-Miomastic 3.0-5.0 mils DFT  
**Topcoat:** MC-Luster 2.0-4.0 mils DFT



# HIGH PERFORMANCE ELASTOMERIC POLYUREA MEMBRANES

## Properties

- Anti-corrosion protection
- Abrasion resistant
- Excellent waterproofing
- Shore hardness between 70 A to 75 D
- Seamless membrane
- Dries rapidly (3-15 sec)

## Advantages

- 100% solids
- Durable - Resistant - Versatile
- From 30 to 900% elongation
- Can be applied down to - 40°F
- Dry film thickness from 16 to 120+ mils
- One coat application possible
- Dries under high relative humidity conditions
- NSF-61 certified, non toxic
- Fire retardant passes ASTM E-84 requirements
- Excellent chemical resistance
- Outstanding flexibility
- Recommended for geotextile application

# WASSER POLYFLEX 201 PW & 59 PW

Certified Potable Water NSF61  
Polyurea Coatings, your best  
solution to line your water tanks,  
Fast!

**SPEED**  
**FLEXIBILITY**  
**RELIABILITY**

# OUR POLYFLEX PRODUCTS

POLYUREA PLURAL APPLICATION | POLYUREA CONVENTIONAL APPLICATION

## POLYUREA PLURAL APPLICATION

### Wasser Polyflex 201 PW

Polyflex 201 is a NSF listed high performance polyurea coating/lining for both steel and concrete tanks. Polyflex 201 PW offers superior service life in a variety of climatic conditions for potable water or chemical service. Recommended for polyurea repairs, 24hr back-to-service.

### Wasser Polyflex 304

Polyflex 304 is a high performance Polyurea/Polyurethane membrane designed for the protection of steel and concrete. Polyflex 304 is intended for industrial applications where the substrate is buried in soil or immersed in an aqueous environment. It also serves as a semi-structural lining to enhance substrate physical strengths while providing a hard shell finish.

### Wasser Polyflex 401 Polar Serve

Polyflex 401 is a high performance polyurea membrane that provides excellent abrasion and shock absorption in conditions where most other Polyurea products fail. Polyflex 401 maintains flexibility and provides excellent protection even in extreme cold conditions.

### Wasser Polyflex 202 High Chem

Polyflex 202 a high performance polyurea coating/lining formulated to perform well in chemical exposures typically reserved for novolac epoxy. The product's balance of hardness and flexibility provide excellent long-term durability.

### Wasser Polyflex 311 Membrane

Polyflex 311 is a high performance polyurea coating for steel, concrete and geotextile liners. Polyflex 311 is designed with an extended gel time for better leveling and high abrasion resistance for demanding industrial applications. Polyflex 311 impermeable membrane has been designed for use as part of a comprehensive Bridge Deck waterproofing system. Since it provides for less shrinkage and improved elongation it is an ideal choice for secondary containment.

### Wasser Polyflex 301

Polyflex 301 is high performance polyurea coating/lining for steel and concrete tanks as well as steel, concrete and ductile iron pipes. Polyflex 301 offers superior service life in a variety of climatic conditions for waterproofing, chemical services or general industrial applications.

### Wasser Polyflex 311 FR Membrane

Polyflex 311 FR is a high performance, 100% solids, polyurea membrane developed for applications that require a flame resistant, spray applied coating. Polyflex 311FR meets fire and smoke development standards when tested to ASTM E84. It is recommended for industrial applications for use on concrete or steel. It may be combined with other materials to produce geomembrane liners, wear surfaces and high strength composites.

### Wasser Polyflex 411 Shearcoat

Polyflex 411 is a high performance, slow setting polyurea waterproofing membrane. The slower gel time allows aggregate to be broadcast into the membrane before initial set. Polyflex 411 ShearCoat is part of a comprehensive bridge deck waterproofing system typically used on heavy highway projects. It can also be used for general industrial applications where abrasion resistance and waterproofing is needed.



## POLYUREA CONVENTIONAL APPLICATION

### Wasser Polyflex 53

Polyflex 53 is a high performance thick elastomeric coating that was specially designed in order to provide high waterproofing performance.

### Wasser Polyflex 54

Polyflex 54 is a high performance MIO based elastomeric coating specially designed to provide a superior anti-corrosion performance.

### Wasser Polyflex 55

Polyflex 55 is high-performance highly cross-linking elastomeric coating specially designed to provide a superior chemical and abrasion resistant performance.

### Wasser Polyflex 56

Polyflex 56 is high performance aliphatic thick elastomeric coating that was specially designed in order to provide a superior UV-resistant performance.

### Wasser Polyflex 57

Polyflex 57 is high performance elastomeric polyurethane coating that was specifically designed in order to provide durability to floors by manual methods of application. It will also provide excellent waterproofing properties.

### Wasser Polyflex 59PW

Polyflex 59PW is a NSF-61 certified high performance hybrid coating/lining for both steel and concrete tanks. Could be used as steel and concrete primer underneath of Wasser Polyflex PW or as a self-priming thick coating for interior protection of potable water tanks. Wasser Polyflex 59PW offers superior service life in a variety of climactic conditions.

### Wasser Polyflex 111 PU Primer

Polyflex 111 is a two-component, 100% solids, polyurethane primer used in conjunction with the Polyflex line of high performance waterproofing membranes. It can be used as an elastomeric primer for concrete as well as steel.

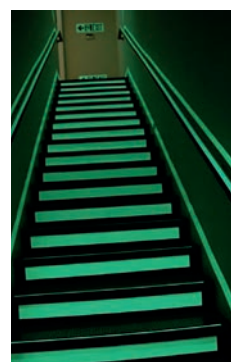
### Wasser Polyflex 204

Polyflex 204 is a high performance membrane of Polyurea. It provides excellent waterproofing and is resistant to a variety of chemical products. It can be used in a wide range of climatic conditions while continuing to offer excellent durability.

# EMERGING MARKETS AND PRODUCTS



- Polyaspartic Technology
- Isocyanate Free
- Luminescent Coatings
- Bedliner



**Wasser Polyflex 103:** Polyflex 103 is 100% solids polyaspartic coating.

**Wasser Polyflex 107:** Polyflex 107 is a polyaspartic one to one ratio aliphatic topcoat.

**Wasser Polyflex 112:** Polyflex 112 is a polyaspartic two-component, high-build, topcoat or DTM topcoat.

**Wassershield 840:** Wassershield 840 is a rapid cure isocyanate free topcoat.

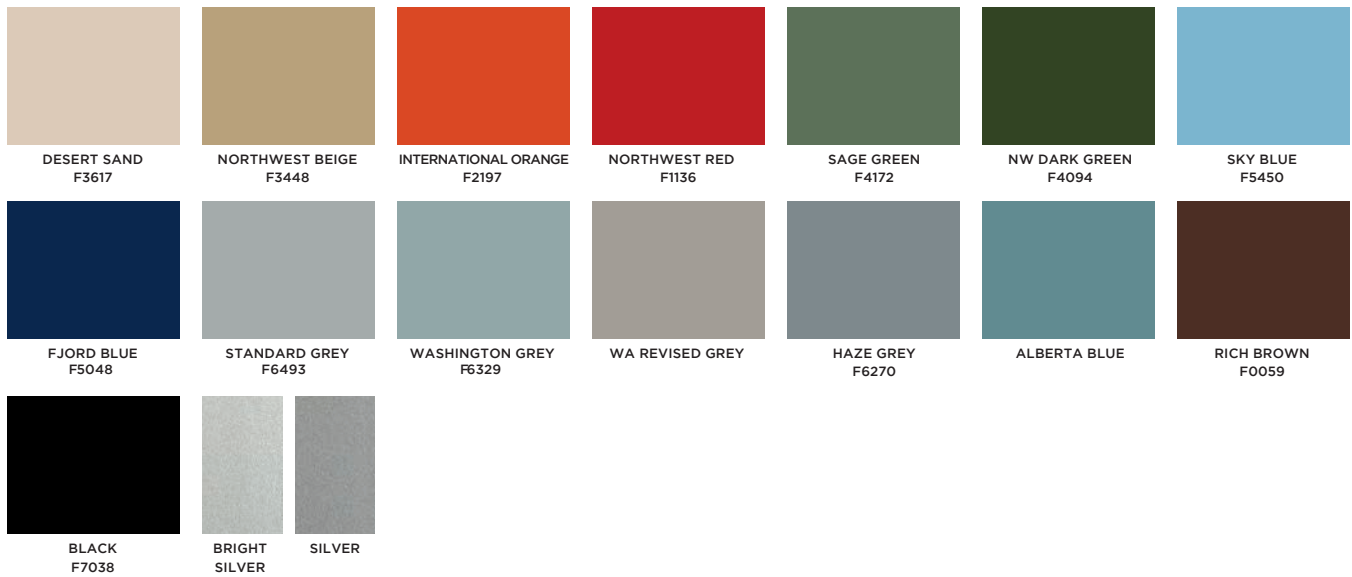
**Wasser Epoxy 448:** Epoxy 448 is an ideal primer for polyflex membranes for immersion services.

**Wasser MC-Glow:** MC-Glow 100 is a glow in the dark high gloss aesthetic topcoat.

**Wasser MC-Bedliner:** MC-Bed Liner is an elastomeric aromatic moisture cure polyurethane. It contains rubber granules which provide a tough anti-skid surface.

# COLOR CHART\*

## SEMI-GLOSS COLORS



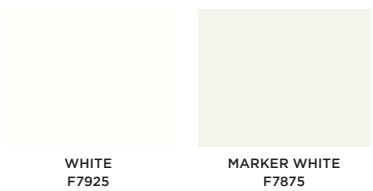
## MATTE COLORS



## SAFETY COLORS



## WHITES



\*This chart is meant as a reference guide only. The digital printing process cannot represent the paint color with 100% accuracy. Please contact you Wasser representative to obtain an actual color sample.



**NO MATTER YOUR CHALLENGE,  
WASSER HAS YOU COVERED.**

Wasser is a full service, industrial coatings and linings provider that employs a superior team of specialists to design and develop solutions to suit exacting customer requirements.

**CONTACT US**

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