

Product Description

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

Area of Use

Substrates

Over properly prepared:

- Ferrous Metal
- Concrete
- Galvanized Metal
- Concrete Block
- Aluminum/Non-Ferrous Metal
- Geotextile

Possible Uses

- Containment and Lining for Petrochemical Cargo
- Refineries
- Chemical Processing Facilities
- Water and Wastewater Treatment Facilities
- Pulp and Paper Mills
- Steel or Concrete Tanks
- Food Processing Facilities
- Dry Holds/Wet Holds
- Concrete Structures
- Floors in severe chemical service
- Pipes

Ready Reference Information

Color: Grey and Black

Recommended dry film thickness/coat: 30-100 mils
750-2500 microns

Type of cure: 2 component

Binder: Polyurethane and amine

***Solids by volume:** 100%

***Solids by weight:** 100%

V.O.C.: None

Flash Point: 300° F (148° C)

Theoretical Coverage: At 1 mil: 1604 ft²/gal

Catalyst: 202C

Ratio: 1:1

Pot Life: n/a

Shelf Life: 1 year

Drying Times and Temperatures

Gel Time: 5-10 seconds

Tack free: 15-20 seconds

Hard dry: 8 hours

To recoat: 12 hours maximum

(scuff sanding required before recoating with Polyflex 202 High Chem outside of this time frame)

Cure to in service time: 24 hours

Product Features

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

Recommended Systems

| | |
|---|-----------------|
| Moisture Cure Urethanes (MCU) Coatings: | MC-Zinc |
| Primers: | MC-Miozinc |
| MC-Ferroclad 100 PW | MC-CR(concrete) |

Compatible Coatings

MC-Ferroclad 100 PW
 MC-Zinc
 MC-Miozinc
 MC-CR

Surface Preparation

See Wasser's Polyurea Application Guide.

Application Information

Plural component heated pump. In order to obtain the optimum results outlined below system must be capable of applying at a pressure greater than 2,500 PSI at a temperature of 160°F.

Before application, the receiving coat surface must be cleaned of dirt, soluble salts, dust, oils grease, chalking, and contaminants. Normal preparation includes vacuum, blow-off, SSPC-SP-1 "solvent cleaning," or water-wash containing salt solubilizing agents. This product is normally applied over previously primed surfaces such as MC-Zinc, MC-Miozinc or MC-Ferroclad 100 PW, MC-CR.

Scuff sanding is required before recoating.
 Clean in accordance with SSPC-SP-1 "Solvent cleaning" before recoating.

Take care to ensure that proper film thickness is achieved. For more information, consult the Steel Structures Painting Council (SSPC) publication, Good Painting Practice.

Performance Testing Data

Taber Abrasion**Resistance**

| | | |
|--|---------------------|---------------------|
| (ASTM D-4060) 1000 Cycles, 1000 g load | Abrasion wheel type | Average Weight Loss |
| | CS-17 | 22.4 mg |
| | H-18 | 181.0 mg |

Resistance to tearing

| | |
|---------------|--|
| (ASTM D-624C) | Tear Strength = 3000 PSI (105N/mm ²) |
|---------------|--|

Temperature Resistance

| |
|---------------------------------|
| Immersion- 122°F (50°C) |
| Dry- 248°F (120°C) |
| Intermittent Dry- 356°F (180°C) |

Physical Properties

Properties under tension:

(ASTM D-412C) Ultimate Elongation = 240%
(ASTM D412C) Tensile strength = 20.7 N/mm² (3000 PSI)

Indication of hardness:

(ASTM D-2240) 55-60 Shore D

Ordering Information

Shipping Information

Product Numbers: WP202
Package Size: 5 gallon pails (10 gallon sets)
55 gallon drums (110 gallon drum sets)
Order in sets only.

Shelf Life: 1 year

Safety Precautions

Precaution:

See the material safety data sheet and product label for complete safety and precaution requirements.

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice." Contact your Wasser Representative for current Product Data Sheets.