

## Product Description

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 different climatic conditions while continuing to offer excellent durability. Provides excellent protection especially when service conditions require flexibility and protection in cold temperatures and below freezing.

## Product Features

- Superior anti-corrosive protection for steel and concrete in cold service climates.
- Protective membrane on metal, masonry, silos, all kinds of pipes and stone slabs.
- Application on geotextile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage.
- Provides an excellent waterproof protection on rigid urethane insulation.
- Garage and parking decks.
- Can be used to repair or replace an existing membrane.
- Excellent abrasion resistance.

## Area of Use

### Substrates

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

### Possible Uses

- Steel or Concrete Tanks Refineries
- Food Processing Facilities
- Water and Wastewater Treatment Facilities
- Chemical Processing Facilities
- Pulp and Paper Mills
- Concrete Structures Dry Holds/Wet Holds
- Pipes
- Containment and Secondary Containment Floor
- Material Handling Equipment

## Ready Reference Information

|                           |                        |   |  |
|---------------------------|------------------------|---|--|
| <b>Color:</b>             | Grey and Black         | <b>Recommended dry film thickness/coat:</b> | 30-100 mils (750-2500 µm)  |
| <b>Type of cure:</b>      | 2 component            | <b>Theoretical Coverage:</b>                | At 1 mil: 1,604 ft <sup>2</sup> /gal (At 25 µm: 39.4m <sup>2</sup> /l) |
| <b>Resin Type:</b>        | Polyurethane and amine | <b>Ratio:</b>                               | 1:1  |
| <b>*Solids by volume:</b> | 100%                   | <b>Catalyst:</b>                            | WP401 A  |
| <b>*Solids by weight:</b> | 100%                   | <b>Pot Life:</b>                            | N/A  |
| <b>V.O.C.</b>             | None                   |   |  |

### DRY TIMES

|  |            |
|--|------------|
| <b>Gel Time</b>                        | 30 seconds |
| <b>Tack Free</b>                       | 20 minutes |
| <b>Re-coat Maximum<sup>1</sup></b>     | 12 hours   |
| <b>Min. Cure Time Prior to Traffic</b> | 1 hours    |

<sup>1</sup>Scuff sand or apply WP-50 Activator before re-coating with Polyflex 401 outside of this time frame.

## Surface Preparation

See: Wasser's Polyflex Elastomeric Coatings Installation Procedure.

## Recommended Systems

### Concrete Bridge Deck Waterproofing System:

#### Primers:

**MC-Ferroclad 100 PW**

**MC-Zinc**

**MC-Miozinc**

**MC-CR**

*\*Note: Other systems are available. Contact your Wasser Representative to answer any questions*

## Application Information

**Plural component heated pump:** In order to obtain the optimum results outlined below, system must be capable of applying at pressures greater than 2,500 psi and at temperatures of 140 - 160°F.

Before application, the receiving coat surface must be cleaned of dirt, soluble salts, dust, oils, grease, chalking, and other contaminants. Normal preparation includes vacuum, blow-off, SSPC-SP-1 "solvent cleaning". This product is normally applied over previously primed surfaces.

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

| Properties             | Test Method |              |
|------------------------|-------------|--------------|
| Solids Content %:      | 100         |              |
| Shore Hardness, A:     | 75          | ASTM D-2240  |
| Elongation %:          | 600-900%    | ASTM D-412-C |
| Tensile Strength, psi: | 1000-1500   | ASTM D-412-C |
| Tear Strength, pli:    | 220-260     | ASTM D-624-C |
| Taber abrasion. CS-10  | No Data     | ASTM D-4060  |
| Taber Abrasion CS-17   | 5.0 mg      | ASTM D-4060  |
| Taber Abrasion CS-17   | No Data     | ASTM D-4060  |

## Ordering Information

- Product Numbers:** WP401 A (Catalyst)  
WP401 B (Resin)
- Package Size:** 5 gallon pails (10 gallon sets)  
55 gallon drums  
(110 gallon drum sets)  
**Order in sets only**
- Shelf Life:** 1 year
- Flash Point:** 300.2° F (149°C)

## 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.