

## Product Description

Polyflex 103 is a high-performance, environmentally friendly, aliphatic polyaspartic coating. It provides abrasion resistance and excellent color and gloss retention. This product is ideal for use as a topcoat for polyurea and polyurethane systems.

## Product Features

- Odorless
- Excellent chemical resistance
- Excellent abrasion resistance
- Excellent color and gloss retention
- Fast cure and moisture tolerant
- Tenacious bond to prepared surfaces

## Area of Use

### Substrates

- Steel
- Concrete
- Concrete (CMU)

### Possible Uses

- Deck Coatings
- Industrial, Commercial Flooring
- Chemical Processing Facilities
- Industrial Equipment
- UV Resistant Overcoating

## Ready Reference Information

**Color:** Clear and in several colors

**Type of cure:** 2 component cross-linking

**Resin Type:** Aliphatic Polyaspartic

**\*Solids by volume:** 100% clear / 95-98% colors

**\*Solids by weight:** 100% clear / 95-98% colors

**V.O.C.:** 0 grams/liter for clear  
60 grams/liter maximum for colors

**Recommended dry film thickness/coat:**  
6.0-10.0 mils 150-250 microns

**Recommended wet film thickness:**  
7.0-11.0 mils 171-279 microns

**Theoretical Coverage:**  
At 1 mil: 1604 ft<sup>2</sup>/gal At 25 microns: 149m<sup>2</sup>/3.78lt.

**Ratio:** 3 parts resin 103B : 2 parts catalyzt 103A

**Pot Life:** 1 hour when mixed

**Shelf Life:** 1 year

DRY TIMES	50°F/10°C		75°F/24°C		95°F/35°C	
	Without	With	Without	With	Without	With
Tack Free	--	--	30-60 minutes	--	--	--
Tack Free	--	--	2 hours	--	--	--
Pedestrian Traffic	--	--	8 hours	--	--	--
Vehicle Traffic	--	--	24 hours	--	--	--

## Surface Preparation

Before application, the receiving coat surface must be cleaned of dirt, soluble salts, dust, oils, grease, chalking or other contaminants. Normal preparation includes vacuum, blow-off, SSPC-SP-1 "solvent cleaning" or water-wash containing salt solubilizing agents. Material and substrate temperature must be 5°F above dew point temperature. Application temperature minimum is 50°F.

## Application Information

Mix each component separately. Mix both components for at least 3 minutes using a mechanical mixer. Do not agitate in air or moisture. Prepare only enough material that may be applied during pot life.

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 under tension:

(ASTM D 412-C) Ultimate Elongation = 10 % Tensile Strength = 6730 PSI

### Hardness:

(ASTM D 2240) Shore D: 78

### Taber abrasion resistance:

(ASTM D-4060) 1000 cycles, 1000g load 49.7 mg (CS-17 wheel)

## Ordering Information

**Product Numbers:** WP103 A (catalyst),  
WP103 B (resin)

**Package Size:** WP 103 A (catalyst) 1 gall.  
WP 103 B (resin) 1 gall.  
or 3 galls. in a 5 gall. container

## Shipping Information

Flash Point: 170.6°F (77°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.