

## PRODUCT DESCRIPTION

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

## PRODUCT FEATURES

- Specially designed for tanks which contain potable, fresh and salt water
- Protective membrane on metal, masonry, wooden reservoirs, silos and stone slabs
- Results in a smooth seamless membrane and aesthetic surface
- Back to service after 7 days
- Low VOC and low odor
- Can be used to repair or replace existing membrane
- Superior anti-corrosive protection for steel



Certified to  
NSF/ANSI/CAN 61

## TYPICAL USES

- Potable water tank linings
- Food processing facilities
- Pulp and paper mills
- Corrosion protection for steel
- Concrete reservoirs

## TECHNICAL DATA

<b>Color:</b>	White or blue	<b>Flash point:</b>	30°C (86°F)
<b>Type of cure:</b>	2 components	<b>V.O.C.:</b>	100 grams/liter 0.83 lbs / US gal.
<b>Binder:</b>	Polyurethane	<b>Drying times:</b>	
<b>Solids by volume:</b>	87 - 91 %	<b>Pot life:</b>	2h00
<b>Solids by weight:</b>	90 - 94 %	<b>Tack free:</b>	4h00
<b>Theoretical coverage of 1 mil:</b>	1428 ft <sup>2</sup> / US gallon	<b>To recoat (@ 25°C (77°F):</b>	4h00 minimum / 24h00 maximum
<b>D.F.T. at 25 microns:</b>	133m <sup>2</sup> / 3.78 liters	<b>Hard:</b>	24h00
<b>Recommended D.F.T. (as primer under Polyflex PW)</b>	4.5 – 5.5 mils (5.2 – 6.3 mils W.F.T.)	<b>Back to service (@ 25°C (77°F):</b>	7 days
<b>Recommended D.F.T. (as a self-priming thick coating)</b>	18 – 23 mils (20.7 – 26.4 mils W.F.T.)	<b>Catalyst:</b>	599C
<b>Base viscosity:</b>	100 – 110 Ku @ 25°C (77°F)	<b>Reduction solvent (if necessary)</b>	DE-300 (10% by volume)
<b>Kit viscosity (with 10% DE-300):</b>	70 Ku @ 25°C (77°F)	<b>Ratio:</b>	2 base : 1 catalyst by volume
<b>Kit specific gravity:</b>	1.16 - 1.23 kg/l	<b>Shelf life:</b>	1 year
		<b>Packaging:</b>	18L (5 US gallons)

Keep in cool and dry area  
\*revised on May 27, 2019

## APPLICATION GUIDE

### SURFACE PREPARATION

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.

Prepare surface in accordance with SSPC –SP – 5 (white metal blast cleaning) for immersion.

### CLEANING INSTRUCTIONS

Cleaning agent: Toluene, Xylene, MEK. To reduce the risk of fire, use glycol ether acetate or any environmentally friendly chlorinated solvent.

### APPLICATION PROCESS

First, power mix the base portion Polyflex 59PW until it becomes homogenous. Secondly, add catalyst 599C slowly with continued agitation until both base & catalyst parts are well mixed together. Then product is ready for immediate use.

Dilution when applied by:

- Air spray and airless spray: 10% dilution by volume with solvent DE-300 if necessary
- Brush and roller: Dilution is not required

CONVENTIONAL SPRAY		AIRLESS SPRAY	
Manual Spray gun:	DeVilbiss JGA-510, MBC-510 or equivalent	Pump Ratio:	30:1
Fluid Nozzle:	E Fluid Tip	Pressure:	1500 - 3000 Psi
Air Cap:	704 or 765	Hose:	¾ inch, 50 ft length maximum
Atomizing Air:	45 - 75 lbs	Tip Size:	0.013 - 0.017
Fluid Pressure:	15 - 20 lbs	Filter Size:	50 Mesh (300 um)
Hose:	½ inch, 50 ft length maximum		

### SPECIAL INSTRUCTIONS & PRODUCT LIMITATIONS

- Thinner can be added depending on local voc and air quality regulations.
- Surface temperature must be at 3°C (5°F) above the dew point during application.
- Shelf life: 12 months @ 25°C (77°F) unopened.

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

**DISCLAIMER:**

"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. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."