

## Product Description

Wasser Polyflex 57 is a 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.

## Product Features

- Low odor
- Excellent hardening at low temperature
- Good elasticity and flexibility
- High film build in one coat
- Excellent waterproofing of concrete
- Can be used as full coating or as a concrete block filler
- Applied by brush, roller or squeegee
- Great coverage
- Provide a seamless high build durable coating
- Cures temperatures down to 15°F (- 10°C)
- Excellent impact resistance

## Area of Use

### Substrates

- Steel
- Concrete

### Possible Uses

- Showrooms
- Auditoriums
- Warehouse
- Parking Deck
- Locker rooms
- Amusement parks and zoos
- Manufacturing plant

## Ready Reference Information

<b>Color:</b>	Any color
<b>Gloss:</b>	High Gloss (80%+)
<b>*Solids by volume:</b>	92-96 %
<b>*Solids by weight:</b>	94-98 %
<b>V.O.C.:</b>	0.42 lbs/gal (50 g/l)

**Recommended dry film thickness/coat:**  
20 - 30 mils depend on the application

**Recommended wet film thickness:**  
21 - 32 mils depend on the application

**Theoretical Coverage:**  
At 1 mil: 1508 ft<sup>2</sup>/gal (25µm: 36.8 m<sup>2</sup>/l)

**\*Kit Viscosity:** 90 - 110 ku

**\*Kit Specific gravity:** 1.1 - 1.3 kg/l

**Ratio:** 1:1 by volume, Catalyst WP57A.0

**Pot Life:** 50-60 minutes

*\*Data may vary for different colors*

## Recommended coating systems:

### Steel Substrate

1st coat (optional)/MC-Miozinc 100: 3-5 mils DFT (76-127µm DFT)  
or MC-Universal 100: 4-5.5 mils DFT (100-139µm DFT)  
2nd coat / Polyflex 57: 20-30 mils DFT (508-762µm DFT)

### Concrete Substrate

1st coat / MC-Universal 100: 4-5.5 mils DFT (100-139µm DFT)  
or Polyflex 111: 8-10 mils DFT (203-254µm DFT)  
2nd coat / Polyflex 57: 20-30 mils DFT (508-762µm DFT)

## DRY TIMES

**68°F/20°C (20 mils (0,5 mm) DFT**

<b>Tack Free</b>	1.5 hours
<b>Re-coat</b>	4 hours
<b>Hard Dry</b>	8 hours

## \*\*RE-COATING TIME

Substrate Temp	Dust Free	Hard Dry	Minimum	Maximum
84 - 95°F (29 - 35°C)	1 hour	6 hours	2 hours	6 hours
61 - 83°F (16 - 28°C)	1.5-2 hours	8 hours	4 hours	24 hours
41 - 60°F (5 - 15°C)	8-10 hours	24-30 hours	8 hours	72 hours

**\*\*Abrade slightly after re-coat has lapsed, or Polyflex solvent surface activator WP50.0 should be used.**

## Surface Preparation

The substrate must be dry, oil free, grease-free, and dust-free. Stone particles or other debris must be removed. Wax substrates or residue or very contaminated substrates must be cleaned with a sand-blasting machine, a grinding machine or a high pressure washing machine.

Apply Wasser's MC-Universal 100 Moisture cure primer before application of Polyflex 57.  
(refer to correspondent TDS for that products)

## Application Information

The coating is applied using a trowel, a doctor blade or a squeegee. Over rolling with a spiked roller over it to avoid bubbles forming of the coating and promotes further leveling. Vapor transmission test should be performed before applying this product.

## Mixing and Thinning

First, power mix the base portion Polyflex 57 until it becomes homogeneous. Secondly, add catalyst WP57A.0 slowly with continued agitation until both base & catalyst parts are well mixed together. Then product is ready for immediate use.

Concrete block filler mixture should be used following the ratio by volume:

Polyflex 57 Base: 1 part  
Polyflex 57 Catalyst: 1 part  
Filler 604 (WP57F.0): 3 parts

## Performance Testing Data

### Properties under tension:

(ASTM D 412-C)	Ultimate Elongation = 195 %	Tensile Strength = 1341 PSI (9.25 N/mm <sup>2</sup> )
----------------	--------------------------------	--

### Adhesion by pull-off strength:

(ASTM D 4541)	MC-Universal 100 = 1088 PSI (7.5 N/mm <sup>2</sup> )
---------------	--

### Hardness:

(ASTM D 2240)	80 Shore A / 35 Shore D
---------------	-------------------------

### Taber abrasion resistance:

(ASTM D-4060) 1000 cycles, 1000g load	97 mg (CS-17 wheel)
(ASTM D-4060) 1000 cycles, 1000g load	316 mg (H-18 wheel)

### Impact resistance:

(ASTM D 2794)	Direct @ 77°F (25°C): 160 in-lb (18 joules)
	Indirect @ 77°F (25°C): 160 in-lb (18.0 joules)

## Special instructions

Do not store below 0°C (32°F) and above 35°C (95°F). The area coated must be free of all traffic for a period of about 24 hours to dry. Full curing to the core of the product should be complete after seven days following application. Do not apply above 80% relative humidity. Surface temperature must be at 3°C (5°F) above the dew point during application.

Aromatic Polyurethane – color and gloss will be affected by UV exposure.

## Ordering Information

**Product Numbers:** WP57A.0 (catalyst)  
WP57B.0 (resin)

**Package Size:** Base 1 gal. (3.78l)  
Catalyst 1 gal. (3.78l)

**Shelf Life:** 2 years, @ 77°F (25°C) unopened

**Flash Point:** ≥100°F (≥38°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.