

Polyflex 305

polyurea

WASSER
ADVANCED COATINGS TECHNOLOGY

Product Description

Wasser Polyflex 305 is a general purpose Polyurea membrane. It is designed for general industrial application where abrasion resistance and waterproofing is needed.

Product Features

- Protective membrane on metal, masonry, wooden reservoirs, silos and many kinds of pipes and stone
- Can be used to repair or replace existing membrane
- Application on geo-textile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage.
- Excellent resistance to the calorific impact

Area of Use

Substrates

- Steel
- Concrete/CMU
- Geo-Textile
- Polyurethane Foam

Possible Uses

- Excellent for garage and parking decks
- Can be used for truck bed liners
- Mining industries
- Can be used to repair or replace an existing membrane
- Pipe applications (exterior)
- Foundation

Ready Reference Information

Color: Available in several colors

Type of cure: 2 component

Resin Type: Polyurea

***Solids by volume:** 100%

***Solids by weight:** 100%

V.O.C. None

Recommended dry film thickness/coat:
30-100 mils (762-2500 µm)

Theoretical Coverage:
At 1 mil: 1,604 ft²/gal (25 µm: 39.4m²/l)

Ratio: 1:1

Catalyst: WP305A

Pot Life: N/A

DRY TIMES

Gel Time 3 -7 seconds

Tack Free 10-15 seconds

Re-coat Maximum¹ 12 hours

Hard Dry 8 hours

Recommended System

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

¹Scuff sanding or apply WP-50 Activator before re-coating with Wasser Polyflex 305 outside of this time frame.

Surface Preparation

See: Wasser's Polyflex Elastomeric Coatings Installation Procedure.

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	
Shore Hardness, D:	40	ASTM D-2240
Shore Hardness, A:	90	ASTM D-2240
Ultimate Elongation %:	290	ASTM D-412-C
Tear Strength, pli, Die C:	232	ASTM D-624-C
Tensile Strength, PSI:	1800	ASTM D-412-C
Impact Resistance:	Direct: 77°F > 160 in-lb Reverse: 77°F > 160 in-lb Direct: -4°F > 160 in-lb Reverse: -4°F > 160 in-lb	ASTM D-2794

Taber abrasion resistance:	Abrasion wheel type	Average weight loss
(ASTM D-4060) 1000 cycles, 1000g load	CS - 10	N.D.
	CS - 17	19.8 mg
	H - 18	N.D.

Ordering Information

Product Numbers:	WP305 A (Catalyst) WP305 B (Resin)
Package Size:	5 gallon pails 55 gallon drums
Shelf Life:	1 year
Flash Point:	300.2° F (149°C)

Safety Precautions

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.