Polyflex 207 SS
polyurea

WASSER® ADVANCED COATINGS TECHNOLOGY

Product Description

Polyflex 207 is a 100% solids, spray applied, high performance polyurea membrane. It's slower gel time provides good leveling characteristics for roofing and flooring applications. **Polyflex 207** provides excellent abrasion resistance, waterproofing protection, and moderate color retention for exterior applications. This low shrink formulation ensures excellent bond strengths to foam, concrete, masonry, geotextile, and metals.

Area of Use

Possible Uses

- Roofing
- Garage and parking decks
- Industial floors
- Secondary Containment
- Geotextile applications

Product Features

- Seamless and flexible waterproofing membrane
- Protects from standing water conditions
- Seals existing penetrations
- Resists acid rain and chemical exposure
- Low temperature and impact resistance
- High Flexibility
- Low curing stress shrinkage
- Provides moderate UV-resistance

Ready Reference Information

Color:	Available in several colors
Type of cure:	2 component
Binder:	Polyurea
***Solids by volume:**	100%
***Solids by weight:**	100%
V.O.C.	**None**
Resin viscosity:	1400 CPS @ 77°F (25°C)
Isocyanate viscosity:	500 CPS @ 77°F (25°C)

Recommended dry film thickness/coat:
30-100 mils (750-2500 µm)

Theoretical Coverage:
At 1 mil: 1,604 ft^2/gal At 25 µm: 39.4m^2/l

Ratio: 1:1

Catalyst: WP207A

DRY TIMES	
Gel Time	60 - 70 seconds
Tack Free	10 - 15 minutes
Re-coat Maximum[1]	12 hours
Hard Dry	8 hours

Recommended Systems

Use with primers:

Wasser Polyflex 111 Primer PU, MC-Universal 100 and MC-Miozinc 100

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

[1]Scuff sanding or apply WP-50 Activator before re-coating with Wasser Polyflex 207 outside of this time frame.

SURFACE PREPARATION

See Wasser's Polyflex Elastomeric Coatings Installation Procedure.

CLEANING INSTRUCTIONS

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

APPLICATION PROCESS

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 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 Practices.

Performance Testing Data

Properties under tension:

(ASTM D-412-C)	Ultimate Elongation = 380% Tensile Strength = 1286 PSI (8.9 N/mm^2)

Resistance to tearing:

(ASTM D-624-C)	Tear strength = 285 PLI (50 N/mm)

Indication of hardness:

(ASTM D-2240)	55 Shore D

Impact resistance:

(ASTM D-2794)	Direct: @ 77°F (25°C): > 160 in-lb (>18 joules) Reverse: @ 77°F (25°C): > 120 in-lb (13.56 joules) Direct: @ -4°F (-20°C): > 120 in-lb (13.56 joules) Reverse: @ -4°F (-20°C): > 20 in-lb (2.26 joules)

Taber abrasion resistance:

	Abrasion wheel type	Average weight loss
(ASTM D-4060) 1000 cycles,1000g load	CS - 17	41.0 mg
	H - 18	210 mg

Ordering Information

Product Numbers:	WP207A (Catalyst) WP207B (Resin)
Package Size:	5 US gallons (18.93 litres), 55US gallons (205 litres)
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.