



SWD Quik-Shield® | 901 High Performance Spray Elastomer

SWD Quik-Shield® | 901 is a 100% solids aromatic polyurea elastomer coating. It is formulated for spray application as a high performance coating in commercial and industrial applications.

SWD Quik-Shield® | 901 is ideal for impact, abrasion and corrosion resistance applications using all types of plural component 1:1 dispensing equipment.

SWD Quik-Shield® | 901 is specifically designed to be effective in situations with underlying moisture, high heat, high humidity, and changing weather conditions.

SWD Quik-Shield® | 901 is ideal for a variety of applications including:

- Vehicle: Truck bed liners, dump trucks, tankers, trailers
- Industrial-Commercial: Water containment areas, floor surfacing, wall coating, machinery coating
- Marine: Boat hulls, cargo holds, docks, buoys
- Agriculture: Farm equipment, trailers, silo lining
- Custom Applications: Playground equipment, secondary containment



SWD Quik-Shield® | 901 Elastomer Advantages

When compared to alternative coatings (such as paint, epoxy, rubber etc...) elastomers have several distinct advantages including;

Performance Advantages

- Abrasion and wear resistance
- High elasticity
- Water resistance
- Corrosion resistance
- Noise reduction
- Vibration dampening
- Excellent weathering ability
- High tensile strength
- Monolithic seal over porous substrates

Financial Advantages

- Quick cure times allow faster return to service
- Durability factors lower lifetime costs
- Increased service life
- Easy application



SWD Quik-Shield® |901

High Performance Spray Elastomer- Specifications

CHARACTERISTICS

DURABLE:

- 100% solids aromatic polyurea elastomer coating
- May be spray applied as thick as needed
- High tensile strength
- Chemical, corrosion and abrasion resistant

FAST CURE:

- Tack free in 11-15 seconds
- Traffic ready in 30-45 seconds
- Can be sprayed directly to a sloping or vertical surface

ENVIRONMENTALLY FRIENDLY:

- Low VOC, no solvents, no ozone-depleting properties

HIGH THERMAL STABILITY:

- Withstands temperatures from minus 50°F to 350°F (in cured state)

EXCELLENT ADHESION:

- Immediate adhesion to metal, concrete, wood, fiberglass and other substrates

EASE OF APPLICATION:

- Designed for application with high heat / high pressure spray equipment

CUSTOMIZATION:

- Accepts color pigments

SOUND ABSORPTION:

- Reduces noise levels

STORAGE:

- Store drums out of direct sunlight at temperatures not exceeding 85°F in a well-ventilated location. When stored in original unopened containers at 60°-80°F, the shelf life of SWD Quik-Shield® |901 A and B components is six months from date of manufacture.

PROPERTIES

LIQUID COMPONENT PROPERTIES:

	A Component	B Component
Viscosity, cps	1875	1100±200
Specific Gravity	1.15	1.02
Mixing ratio (by volume)	50	50

(Based on regular grade formulation at 75°F)

REACTIVITY PROFILE:

Cream Time, seconds	2-3
Tack Free Time, seconds	11-15
Cure Time @ 75°F, hours	1

FINISHED COMPONENT PROPERTIES:

Property	Procedure*	Values
Core Density, pcf nominal	D-1622	60
Tensile Strength psi @ 75°F	D-412	2556
Elongation % @ 75°F	D-412	110-500

*NOTES: ASTM Test Method Reference Number

Water Vapor Transmission (ASTM E-96)

Perms @ 40 dry mils	1.04
Perms @ 60 dry mils	.81
Perms @ 90 dry mils	.54

Coverage

Mils per 100 sf/gal	16
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APPLICATION:

Under normal operating conditions, drum heaters should be 75-80°F, pre-heaters and hose settings should be 150°F – 160°F for most types of plural component 1:1 dispensing equipment to achieve proper atomization of liquid components. Hose pressure should be 2000 to 2800 psi depending upon equipment. **Note:** Thoroughly mix “B” side drum for 45 minutes before use with an industrial drum mixer.

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