



SWD Quik-Shield® | 970 Industrial Grade Spray Elastomer

SWD Quik-Shield® | 970 is a 100% solids aromatic polyurethane elastomer coating. It is formulated for spray application as a high performance coating in commercial and industrial applications.

SWD Quik-Shield® | 970 is specifically designed for applications requiring a high degree of impact, abrasion and corrosion resistance.

SWD Quik-Shield® | 970 readily accepts paint, and may be applied with all types of plural component 1:1 dispensing equipment.

SWD Quik-Shield® | 970 is ideal for a variety of applications including:

- Commercial: EPS coating & board stock, simulated stucco & stone, spa and bathtub manufacture
- Industrial: Machinery coating, floor coating
- Pipeline: Secondary containment, pipe lining
- Marine: EPS encapsulation, docks, cargo holds
- Agriculture: Farm equipment, trailers, silo lining



SWD Quik-Shield® | 970 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® | 970

Industrial Grade Spray Elastomer- Specifications

CHARACTERISTICS

DURABLE:

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

FAST CURE:

- Tack free in 3-5 seconds
- Traffic ready in 30 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 15°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, readily accepts paint

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 50°F, the shelf life of SWD Quik-Shield® | 970 A and B components is six months from date of manufacture.

PROPERTIES

LIQUID COMPONENT PROPERTIES:

	A Component	B Component
Viscosity, cps	450	1100±200
Specific Gravity	1.15	1.02
Weight (gal)	9.6	8.5
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	3-5
Cure Time @ 75°F, hours	1

FINISHED COMPONENT PROPERTIES:

Property	Procedure*	Values
Core Density, pcf nominal	D-1622	60.3
Tensile Strength psi @ 75°F	D-412	5000-6000
Elongation % @ 75°F	D-412	5.0-10.0
Hardness	Shore A	96
Hardness	Shore D	65-70
Tear Strength	Die C	285
	Split Trouser	9.5
Abrasion Resistance	mg@1000 cycles	144.0

*NOTES: ASTM Test Method Reference Number

Water Vapor Transmission (ASTM E-96)

Perms @ 30 dry mils	.02
---------------------	-----

Coverage

Mils per 100 sf/gal	16
---------------------	----

APPLICATION:

Under normal operating conditions, drum heaters should be 80-90°F, pre-heaters and hose settings should be 145°F – 160°F for most types of plural component 1:1 dispensing equipment to achieve proper atomization of liquid components. Hose pressure should be 1400 to 2000 psi depending upon equipment. **Note:** Thoroughly mix "B" side drum for 45 minutes before use with an industrial drum mixer.

This information herein is believed to be reliable, however, unknown risks may be present. SWD Urethane Company makes no warranty, expressed or implied, concerning this product's merchantability or fitness for any particular use. The only warranty SWD Urethane Company give is that the product meets the specifications herein listed, and in the event that it does not, that SWD Urethane Company will replace, at its costs SWD Urethane Company's product. The foregoing constitutes SWD Urethane Company's sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product.