

Baytec® SPR-092A Black

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Baytec SPR-092A Black is a two-component, 100%-solids thick film coating spray system with a Shore A hardness of 92. The isocyanate component is a modified diphenylmethane diisocyanate (MDI) prepolymer, and the B component is a polyether polyol amine blend. The system has added UV stabilizers and is used in industrial applications to improve the corrosion, weather, and abrasion resistance of various surfaces. The system is pigmented black. Typical applications include wastewater infrastructure, pipes, secondary containment, foams, and other industrial surfaces. As with any product, use of the Baytec SPR-092A Black system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Additive	UV stabilizer		
Features	Good corrosion resistance		
	Good wear resistance		
	Good weather resistance		
Uses	Protective coating		
	Industrial application		
	Pipeline coating		
	Coating application		
Appearance	Black		
Forms	Liquid		
Processing Method	Sprayable		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Water absorption rate-30 days	1.5	%	Internal method
Tear Strength, Split	19.3 - 22.8	kN/m	ASTM D1938
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	150	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	15.2 - 15.9	MPa	ASTM D412
Tensile Elongation (Break)	490 - 580	%	ASTM D412
Tear Strength ¹	59.5 - 71.8	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Component a	Mixing ratio by capacity: 100		
Component B	Mixing ratio by capacity: 100		
Additional Information	Nominal Value	Unit	Test Method

Part A

Type: Isocyanate

Appearance: Yellowish liquid

Specific Gravity @ 25°C: 1.09

Viscosity @25°C: 2500 mPa-s

Flash Point PMCC: 216 °C

Part B

Type: Polyol

Appearance: Black liquid

Specific Gravity @ 25°C: 1.04

Viscosity @25°C: 1704 mPa-s

Flash Point PMCC: 179 °C

Molding Parameters

Material Temperature: 60 to 71 °C

Gel Time: 12 to 15 sec

Tack-Free Time: 1 min

Handling Time: 30 min

NOTE

1. C mould

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