

# Baytec® SPR-085A

Polyurethane (Polyether, MDI)

Covestro - PUR

## Message:

Baytec SPR-085A is a two-component, 100%-solids spray system with a Shore A hardness of 85. The isocyanate component is a modified diphenylmethane diisocyanate (MDI) prepolymer, and the polyol component is a polyether polyol blend. The system has added UV stabilizers and is used in spray applications to improve the corrosion, weather, and abrasion resistance of metal and concrete. It also improves weather and abrasion resistance when applied to wood, plastic, and porous organic and inorganic materials. In-mold application is also possible. Typical uses are for the protection of pipes, tanks, fabrics, and wood, as well as protective surfaces for flexible, rigid, and structural foams. The system can be pigmented to almost any color. As with any product, use of the Baytec SPR-085A 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 wear resistance		
	Good weather resistance		
Uses	Protective coating		
	Industrial application		
	Pipeline coating		
	Coating application		
Appearance	Natural color		
Forms	Liquid		
Processing Method	Sprayable		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	190	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.17	MPa	ASTM D412
Tensile Elongation (Break)	580	%	ASTM D412
Tear Strength			
-- <sup>1</sup>	57.8	kN/m	ASTM D624
Cracking	25	kN/m	ASTM D1938
Thermoset	Nominal Value		
Thermoset Components			
Component a	Mixing ratio by capacity: 1.0		
Component B	Mixing ratio by capacity: 1.0		

## Additional Information

### Part A

Type: Isocyanate

Appearance: Light yellow liquid

Specific Gravity @ 25°C: 1.09

Viscosity @25°C: 2500 mPa-s

Flash Point PMCC: 216 °C

NCO: 9.8 %

### Part B

Type: Polyol

Appearance: Pale yellow to amber liquid

Specific Gravity @ 25°C: 1.03

Viscosity @25°C: 1090 mPa-s

Flash Point PMCC: 172 °C

Hydroxyl Number: 140 mg KOH/g

Molding Parameters

Material Temperature: 25 to 60 °C

Gel Time: 15 sec

Tack-Free Time: 2 min

Handling Time: 25 to 60 min

## NOTE

1. C mould

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## Recommended distributors for this material

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