



PolyArmor FortiSpray 914

TECHNICAL DATA SHEET

FortiSpray 914 is a highly cross-linked plural component polyurea system that is to be applied in industrial applications only by trained and experienced applicators using specialized proportioning and dispensing equipment. It is very resistant to attack from hydrocarbons such as gasoline and jet fuel. It is aromatic in nature and may change surface color under the influence of prolonged UV exposure. FortiSpray 914 is formulated with a UV package to extend the UV stability vs. typical aromatic polyurea systems.

FEATURES

- Ideal for vertical, overhead and horizontal
- No solvents, 100 % solids, “0” VOC, low odor
- Good chemical resistance
- Excellent gloss retention
- Use over wood, concrete, metal and polyurethane foam
- Extremely moisture insensitive
- Outstanding abrasion and impact resistance
- Tough, flexible, elastomeric polymer

RECOMMENDED USES

- Floors, Walls and Ceilings (Warehouse * Manufacturing * Shop)
- Structural Steel (Bridges * Tanks * Pipe lining)
- Industrial Plants (Chemical * Petroleum * Wastewater * Power Pulp & Paper * Manufacturing * Food & Beverage * Agricultural)
- Marine (Ship Hulls * Docks * Decking * Offshore Platforms * Superstructures * Barges)
- Transportation (Railcar interiors * Truck box lining * Buses * Aircraft)
- Waste Water Treatment (Clarifiers * Piping * Tanks * Sweep Arms)

TECHNICAL DATA

		Test Method
Mix Ratio by Weight	1A:1A by volume	
Gel Time @ 75°F	7 sec	
Dry Time @ 75°F	2 hours	
Shore Hardness	65A	ASTM D-2240
Tensile	1800 psi	ASTM D-412
Elongation	608%	ASTM D-412
Tear	320 pli	ASTM D-624
Voc Content	0 G/L	
Return To Service: Full Service		
Total Solids By Weight		ASTM D-2369
NCO%	A Side 12-13%	
Viscosity		
Part A (Iso)	750-1250 cps	
Part B (Polyol)	250-750 cps	
Specific Gravity		
Part A	1.07-1.12	
Part B	1.00-1.04	

NOTE: PHYSICAL PROPERTIES MAY VARY ON THE TYPE OF SPRAY EQUIPMENT USED. THE END USER SHOULD CHECK THE SUITABILITY OF THIS PRODUCT PRIOR TO USE



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COLOR

Light gray, medium gray, charcoal, black & beige

APPLICATION METHOD

Plural component proportioning spray

WARNING: Spraying by any method produces fugitive mist vapors and fumes. Extreme care must be exercised to protect personnel from exposure. Air exhausting equipment (fans / ducting) must be used to dissipate the fumes appropriately. Confined spaces require extra measures for safety. Isolation of the spray area may be necessary.

COVERAGE

Theoretical coverage: 1604 mil sq. ft. / gal. 26 sq. ft. / gal. (60 mil film)

MIXING PROCEDURES

Part B should be mixed with air driven tools at a medium speed for at least 8 hours prior to use. Verify mixing by feeling for any sediment still on the bottom of the drum. If any exist, continue to mix. The B side must also be agitated while being sprayed to ensure suspension of all fillers. Part A requires no mixing.

CURING SCHEDULE: @ 60 MILS THICKNESS(72 ° F / 50 % R. H.)

- Gel Time: 7 sec.
- Tack-free and firm: 1 min 15 sec
- Through: 2 hours
- Full physicals: 24 hours to recoat
- Minimum: 1-2 min.
- Maximum: 2 hours w/o prep.; indefinite with prep.
- Note: If no prep. recoat time is exceeded, abrade surface and chemically activate. Cure time is relatively temperature and humidity independent.

STORAGE

- Pot life: Not applicable
- Shelf life: 6 months unopened @ 73 °F

HEALTH AND SAFETY PRECAUTIONS: Before using, refer to Safety Data Sheets (SDS). Ensure the same safe working methods are followed for all persons in the work area. Wear suitable protective clothing, rubber gloves and safety goggles with side shields during mixing and application. Respiratory masks should be worn at all times when adequate ventilation does not exist. Contact with skin-wash immediately with soap and water. Contact with eyes-rinse immediately with lots of water and seek medical attention. Keep away from children. **LIMITATIONS:** The end user should check the suitability of this product prior to its application. Do not open until ready to use. The Hanson Group assumes no liability for substrate defects. High temperatures and humidity can significantly affect pot life and the cure time. Low temperatures and humidity can extend the cure time. Excess moisture vapor in concrete slabs may result in polyurea to delaminate, discolor or cause improper curing. **NOTICE:** The information and data contained herein do not constitute sales specifications. The product properties may be changed without notice. No liability, warranty or guarantee of product performance is created by this document. It is the Buyer's responsibility to determine whether Hanson products are appropriate for Buyer's use and to ensure that Buyer's workplace and disposal practices are in compliance with applicable laws and regulations. No freedom from any patents or other industrial or intellectual property rights is granted or to be inferred.