



PolyArmor SRA 6500

TECHNICAL DATA SHEET

PolyArmor SRA 6500 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 aromatic in nature and may change surface color under the influence of prolonged UV exposure. PolyArmor SRA 6500 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 (Warehousing, Manufacturing, etc.)
- 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. Non Standard colors and color packs are available upon request. Aromatic polyureas are known to yellow or darken in color when exposed to UV and/or sunlight.

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

PRECAUTIONS: Part-A contains an Isocyanate. 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. 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. **NOTICE:** Read all the information in this product information bulletin, and safety data sheet (SDS) before applying any material. The information contained herein is for the purpose of identifying the product and does not constitute a warranty or guaranty that the product will conform to this description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors. All published information and specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of The Hanson Group, LLC. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. The Hanson Group, LLC shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. Products manufactured by The Hanson Group, LLC are free of defects for a period of one (1) year from time of manufacture. Liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the materials in question. PolyArmor® is a trademark registered in the US Patent and Trademark Office. The marks of The Hanson Group, LLC, its divisions, slogans, emblems, other marks appearing in this document are the trademarks and/or service marks of The Hanson Group, LLC, its subsidiaries, affiliates or licensors.