



THE HANSON GROUP, LLC
GOOD PEOPLE. GREAT SCIENCE

PolyArmor *SRD5100C*

TECHNICAL DATA SHEET

PolyArmor SRD 5100C is a 100% solids elastomeric coating designed for optimum performance in exterior conditions. Applied by low pressure spray equipment, POLYARMOR SRD 5100C can be used as a superior protective, corrosion or waterproofing coating with outstanding overall performance in industrial applications.

Formulated for the most demanding applications in commercial and industrial manufacturing applications, POLYARMOR SRD 5100C can be used in vertical and horizontal applications on concrete, wood metal surfaces and composite surfaces-new and old. The quick gel and handling time is convenient for applications inside and outside. Easily sprayed to the desired thickness using conventional spray techniques. POLYARMOR SRD 5100C provides a quality selection for multiple uses.

FEATURES

- Fast return to service
- Outstanding Abrasion Resistance
- 100% Solids
- Ease of application

RECOMMENDED USES

- Truckbeds
- Farm Equipment
- Planters/ Tunnels
- Industrial/Manufacturing Facilities
- All-terrain vehicles
- Utilities

TECHNICAL DATA

	Units	Values		Test Method
MIX RATIO BY VOLUME		1A:1B		
GEL TIME @ 72° F	sec	6	Sprayed	
TACK FREE TIME @ 72° F	sec	12	Sprayed	
SHORE HARDNESS	Shore D	51	Sprayed	ASTM D-2240
TENSILE	psi	1600	Sprayed	ASTM D-412
ELONGATION	%	150	Sprayed	ASTM D-412
TEAR	pli	160	Sprayed	ASTM D-624
PERCENT SOLIDS	%	100 (0 g/l VOCs)	Calculated	ASTM D-2369

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

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.



THE HANSON GROUP, LLC
GOOD PEOPLE. GREAT SCIENCE.

SURFACE PREPARATION

Surface preparation is the essential first stage treatment of a substrate before the application of any coating. The performance of a coating is significantly influenced by its ability to adhere properly to the substrate material. It is generally well established that correct surface preparation is the most important factor affecting the total success of surface treatment. The presence of even small amounts of surface contaminants, oil, grease, oxides etc. can physically impair and reduce coating adhesion to the substrate.

Be sure that surfaces are clean, dry, and sound and give sufficient profile to obtain adequate product adhesion. Remove all dust, efflorescence, laitance, salts, curing compounds, dirt, oil, form release agents, and other foreign matter. Perform an adhesion test prior to starting any coating project.

Metal and composite fiber surfaces should be thoroughly cleaned and primed for optimum adhesion or light abraded by blasting to a 2-3 mil profile. Consult your representative for further information.

Concrete should be cured for a minimum of 28 days prior to product application and have at least 3000psi compressive strength. If the concrete surface is unsuitable for coating, use a suitable primer or suitable primer with sand as a repair agent. Once the repair has cured, prime the entire surface intended for coating. Consult The Hanson Group for selecting the best primer for your substrate.

COLOR

Black and Neutral – 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.

COVERAGE RATE

1 gallon (3.79 liters) of POLYARMOR SRD 5100C will cover approximately 1600 square feet 1 mil (0.025mm) thick, and can be applied in one or more passes to achieve a desired thickness.

PACKAGING

1500ml dual component cartridge

STORAGE

POLYARMOR SRD 5100C has a shelf life of 6 months from the date of manufacture, in factory-sealed containers. Storage temperature for Part-A and Part-B is between 55°F - 95°F. (Avoid freezing temperatures). Keep containers sealed tightly to eliminate any condensation, moisture, or water contamination in Part-A or Part-B.

APPLICATION

Apply POLYARMOR SRD 5100C using 1:1 ratio pump, with appropriate application gun/wands, as required for individual application.