



PolyArmor SRA8000

TECHNICAL DATA SHEET

PolyArmor SRA 8000 is a 100% solids elastomeric polyurea developed for applications such as geotextile lining membranes. POLYARMOR SRA 8000 may also be applied to concrete and steel substrates. POLYARMOR SRA 8000 is a volatile free, odorless system applied with 1:1 mix ratio with plural component spray equipment.

POLYARMOR SRA 8000 provides less shrinkage with improved elongation characteristics. As a result, POLYARMOR SRA 8000 makes an excellent polyurea for liners, geotextile coatings, and applications where resilience and durability are required. POLYARMOR SRA 8000 may be applied at varying thicknesses in a single application using a multi-pass spray technique.

FEATURES

- 100% solids, no VOC's
- 1:1 mix ratio by volume
- Rapid cure
- Immediate return to service
- Applied by plural component spray
- Odorless
- No VOCs
- Low curing stress shrinkage
- Exposure temperatures -40°F to 350°F, dry

RECOMMENDED USES

- Waterproofing membranes
- Geotextile coatings
- Secondary containment
- Foam coatings
- Flexible membranes
- Liners
- Oil production water/condensate containments
- Typical ambient waste water & hydrogen sulfide exposures

TECHNICAL DATA

(TYPICAL) 1:1 MIX RATIO CURED FILM PROPERTIES	Test Method	Typical Value
VOC	Theoretical	0%
SOLIDS CONTENT	Theoretical	100%
SHORE A HARDNESS	ASTM D2240	80 – 85
ELONGATION	ASTM D638	350 – 390%
TENSILE STRENGTH, PSI	ASTM D638	2000 – 2500
ELASTIC MODULUS (PSI)	ASTM D638	500 – 900
TEAR STRENGTH	ASTM D624	250 – 300 psi
MOISTURE VAPOR TRANSMISSION	ASTM E-96	0.02 perm
TABER ABRASION, MG WT LOSS (1000 G, 1000 REVS, CS-17)	ASTM D4060	8 - 18
GEL TIME	ASTM D1640	15 – 25 seconds
TACK FREE	ASTM D1640	~3 minutes

Tested in accordance to EPA 9090A, LARR Approval (CA). The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

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. **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.



LIMITATIONS

POLYARMOR SRA 8000 should not be used for direct contact with extremely high or low pH attack. Composite systems are available.

COVERAGE RATES

Theoretical square feet per gallon

*Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

Mils	10	15	50	60	80	100	125
Sq. Ft.	160	107	32	27	20	16	13

PACKAGING

One Hundred Ten Gallon Kit: 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight, volume is closely approximated.

MIXING

POLYARMOR SRA 8000 must be spray applied using approved equipment. Use 1:1 ratio pump with appropriate material heaters, as required for individual application.

COLORS

Standard is Tan or Black, however there are other colors.

PREPERATION & INSTALLATION

Please review the material Processing & Handling Information for preparation and application procedures. Substrate priming is not required on all substrates, consult *THG* for recommendations.

CLEAN UP

Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

SAFETY

SDS provided by **THE HANSON GROUP**

Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

SHELF LIFE

One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 60°F to 95°F (18°-35°C).

TECHNICAL SERVICES

Contact the Hanson Group