



Product Data Sheet:

U95 Aromatic Urethane
Revised: 05/2025

GUARDIAN ROOF POLYMERS U95 TWO-COMPONENT URETHANE BASE COATING

A. DESCRIPTION:

Guardian Roof Polymers (GRP) U95 is a two-component biobased urethane base coat that exhibits strong adhesion to numerous substrates. GRP U95 produces a tough film that provides robust protection to foam substrates and prevents oil migration on asphalt-based roofs. GRP U95 is not a finish coat and should be top coated with GRP urethane coatings to provide excellent weatherability, UV resistance and high reflectance to promote a cool roof.

B. RECOMMENDED USE:

GRP U95 is designed to rejuvenate and extend the life of aged asphaltic, single ply and previously coated roofs. It provides excellent oil migration resistance on asphaltic roofs without the application of bleed blocking primers. It also provides excellent protection for foam roofs due to the tough cured film.

C. LIMITATIONS:

Do not apply to previously silicone coated roofs or in areas where ponding water will be present.

a. APPROVALS:

USDA Biopreferred

D. PACKAGED PRODUCT DATA:

PROPERTY	DESCRIPTION
COLOR	U9511P Part A Gray
	U95I Part B Clear
ADHESION	Excellent adhesion to most substrates
THEORETICAL COVERAGE	100 ft ² / gal 16 mil (9.29 m ² / 3.79 L / 16 mil)
SOLIDS	Weight: 100 % ASTM D1644 Volume: 100 % ASTM D2697
STORAGE STABILITY	1 year @ 50 °F – 110 °F (10 °C – 43 °C).
TOXICITY	Contains isocyanates
V.O.C.	< 50 g / L EPA Method 24
FLASH POINT	> 230 °F (> 110 °C) ASTM D1310
VISCOSITY	10,000 cps Part A 3,000 cps mixed (4:1 Part A and B)
DENSITY	10.9 lbs / gal (1.3 kg/L) Part A 10.3 lbs / gal (1.2 kg/L) Part B

E. PHYSICAL PROPERTIES:

PROPERTY	ASTM TEST	RESULT
TENSILE STRENGTH – INITIAL	D2370	550psi (3.8 MPa)
ELONGATION AT BREAK – INITIAL	D2370	75 %
TEAR RESISTANCE (DIE C)	D624	150 lb / in (68 kg / 25 mm)
WATER VAPOR PERMEABILITY – 20 MILS DFT (INCH POUNDS)	E96	0.5 Perms
WET ADHESION		
FOAM	C794 / D903	2.3 lb (1.0 kg)
GALVANIZED STEEL		2.0 lb (0.9 kg)
CONCRETE		8.0 lb (3.6 kg)
SBS CAP SHEET		4.0 lb (1.8 kg)
PVC		4.5 lb (2.0 kg)

F. APPLICATION:

STEP	INSTRUCTIONS
THINNING	Typically, not needed. Mixed (Part A and Part B) GRP U95 can be thinned with xylene if necessary. Maximum dilution is 10 % thinner by volume.
MIXING	Mix both Part A and Part B thoroughly using a mechanical mixer before combining. Mix ratio is 4:1 (volume) of Part A to Part B
POT LIFE	Pot life is approximately 30 minutes at 72°F/22°C
SURFACE PREPARATION	Surfaces should be clean and dry prior to application of coating. Use of a all-purpose cleaner is recommended for heavily soiled substrates. Do not wash asphaltic surfaces with detergent. Allow surface to dry completely before coating.
APPLICATION	GRP U95 can be applied with phenolic core roller, or brush. Flood coating can be used for covering aggregate coated tar and asphalt roofs. Apply mixed GRP U95 (Part A and Part B) at a rate of 2 gal/square to achieve a dry film thickness of 32 mils on smooth surfaces. On gravel surfaces, up to 6 gallons/square may be required to adequately cover the aggregate.
DRY TIME	4 to 8 hours depending on conditions. Allow to cure overnight before top coating.
CLEAN UP	Use appropriate solvent such as xylene to clean tools and equipment immediately after application of GRP U95. Follow all local state and federal guidelines to choose an appropriate solvent.

**For specific Health and Safety information please refer to applicable Safety Data Sheet*