



SealBoss® PU Primer Features

- High Solids
- Low Odor
- Low Viscosity

Typical Uses

- Primer for SealBoss FlexCoat
- Intercoat adhesion and re-coat primer for existing urethane systems

DESCRIPTION

FlexCoat PU Primer is a two component, liquid applied primer with unique penetrating characteristics.

COLORS

Part-A: Black, Part-B: White

PACKAGING

2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and One 1 gallon (3.78 liter) can of Part-B.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

MIXING

The volume mixing ratio is: 1 part Part-A Black Liquid to 1 part Part-B White Liquid. SealBoss PU Primer Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. PU Primer must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION

FlexCoat PU Primer should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²).

Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle. Allow FlexCoat PU Primer to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

FlexCoat PU Primer is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

FlexCoat PU Primer should be coated as soon as it starts to become tack free and within 12 hours.

Waiting too long may compromise the bond with SealBoss FlexCoat and lead to system failure and delamination. Primer is not UV stable. Surfaces must be dry, clean and free of foreign

matter. Containers that have been opened must be used as soon as possible. FlexCoat PU Primer is difficult to clean up after it has cured. Do not dilute FlexCoat PU Primer. Mix no more material than can be used within 1 hour.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Precautions - Health and Safety

Polyurethanes and solvents may cause health problems if used without adequate ventilation or fresh air respiration, so precautions must be taken to protect all occupants on the job site during installation.

Always use safety gear in compliance with OSHA and all applicable local and job-site regulations while working with products. Wear appropriate safety goggles, gloves and safety clothing.

The uncured components of SealBoss® Primers and FlexCoat can cause irritation to the eyes, skin, mucous membranes, and is harmful if swallowed. When handling avoid contact with eyes and skin. In case of contact, immediately wash off with plenty of water for at least fifteen minutes. For eyes, obtain medical attention. Always wash hands before eating. Obtain immediate medical attention in case of ingestion. SealBoss® Primer and FlexCoat contain isocyanates and may cause allergic respiratory reactions. Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors. When applying SealBoss® Primer and FlexCoat avoid breathing harmful vapors. Fresh air-supplied standard painter's hood or full face respirator may be necessary to be worn by all personnel in confined areas where SealBoss® FlexCoat, primers and top coats are being applied until all vapors have been exhausted.

Please comply with all OSHA regulations. In case of extreme exposure or adverse reaction, remove affected personnel to fresh air immediately and obtain medical help. For additional health and safety information consult the Material Safety Data Sheet.

Consider property in proximity of the application to prevent loss or damage. Protect jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals!

STORAGE

FlexCoat PU Primer has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

WARNING

This product contains Isocyanates and curative materials.



Technical Data

Coverage Rate	1 gal/300 sq. ft. 0.14 l/m ²
Pot Life at 75°F (24°C), 50% R.H.	30-60 min
Dry Film Thickness per Coat	5 ± 1 mils 125 microns
Specific Gravity,	
Part-A	1.22
Part-B	0.98
Total Solids by Weight, ASTM D-2369	98%
Total Solids by Volume, ASTM D-2697	99%
Viscosity at 75°F (24°C),	
Part-A & B combined	500 cps
Volatile Organic Compounds,	
ASTM D-2369-81	0.21 lbs/gal
25 gm/liter	

YIELD (approximate coverage at suggested thickness)

Primer

	thinly applied	300 sq ft per 1 gal 1500 sq ft per 5 gal
Flexcoat		
	1.0 mil system	1600 sq ft per 1 gal
	40.0 mil system	40 sq ft per 1 gal
	40.0 mil system	200 sq ft per 5 gal (1 unit = 4 gal A + 1 gal B)
Topcoat		
	applied to cover	100 sq ft per 1 gal 500 sq ft per 5 gal



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