

SealBoss® FlexLiner



Product Data Sheet

INDUSTRIAL LINER / MEMBRANE

Flexible Elastomeric, Aromatic Polyurethane Coating System

System Type & Description

SealBoss® FlexLiner is a two component liquid applied, asphalt blended aromatic polyurethane. The applied product consists two coats of SealBoss® FlexLiner with an optional polyester inner-ply mat, called a scrim. The system adheres well to most substrates. The Liner is very durable and its monolithic surface structure will provide long term waterproofing if applied correctly. The elastomeric properties permit the system to expand and contract with normal structural movements. The SealBoss® FlexLiner System offers a wide range of uses in commercial and residential applications.

Mixing

Proportions are premeasured. The mix ratio is 1:9 A:B by volume. Using a mechanical mixer, pre-mix SealBoss® FlexLiner Part-B material thoroughly to obtain a uniform color. Use care not to allow air into the mixture. SealBoss® FlexLiner should not be mixed by hand.

Priming

Most substrates should be primed with recommended primer.

Application

Apply two coats of SealBoss® FlexLiner at 2 gallons per 100 sq. ft. each coat directly to a clean dry substrate.

Do not apply product at surface temperatures below 50°F (10°C). Also temperature must be 5°F (3°C) above dew point. Do not apply when the ambient or substrate temperature is rising.

Do not apply product in direct sunlight.

Spray equipment, squeegee, notched trowel or phenolic resin core roller may be used; if a roller is used extra care should be taken not to trap air bubbles into the mixture. Apply SealBoss® FlexLiner evenly over the entire deck at 58 wet mils. Most applications require only one coat, but if needed SealBoss® FlexLiner may be re-coated in 1 hour. If SealBoss® FlexLiner has cured for more than 8 hours, the surface may need to be mechanically abraded and cleaned before re-coating.

Re-Coat

Re-coating / Multiple or Second coats must be completed within eight (8) hours of previous applications of Flex Liner. After this eight (8) hour window, it is necessary to abrade, clean and prime surface prior to re-coating.

Abrading shall be by grinder or other mechanical means.

Curing

At 70°F (21°C) and 50% relative humidity, allow coating to cure for 24 hours for light traffic, or 72 hours for heavy traffic.

SealBoss® FlexLiner FL-IM 19 is sensitive to heat and moisture and this could accelerate the curing time.

Outstanding Features

- Seamless Waterproofing Membrane
- Bridges cracks and joints
- Impervious to water & most aqueous chemicals
- VOC Compliant
- Very Economical
- UV Stable, color appearance may change

Typical Uses

- Waterproofing
- Tank Liner
- Pond Liner
- Containment
- Roofing (with scrim)
- Reservoirs (with scrim)
- Ponds (with scrim)
- Corrosion Protection

Common Substrates

- Concrete
- Steel
- Glass
- Wood
- Metal
- Asphalt

Color

- Black. Can be top coated with TopCoat

Common Substrates

- Asphalt
- Concrete
- Steel
- Metal

Equipment Cleanup

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

Storage

SealBoss® FlexLiner FL-IM 19 has a shelf life of one (1) year from the date of manufacture in original, factory-sealed containers.

Scrim

Recommendation: 18 GAUGE SOFT FINISH STITCH BONDED POLYESTER FABRIC REINFORCEMENT MATERIAL.

See reverse side for Technical Data and other pertinent information.

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LIMITATIONS

Do not apply SealBoss® FlexLiner in wet weather or if rain is imminent. Coating should not become wet within 4 hours after application. Containers that have been opened must be used as soon as possible.

If substrates are not clean and dry, SealBoss® FlexLiner will not achieve good adhesion and the coating over concrete may blister. Concrete/asphalt: The outside temperature should be in a declining mode (installation should be done in the late afternoon).

New concrete/asphalt and masonry must be cured for 28 days.

UV stable but the color may fade, chalk and discolor over time.

The following must not be coated with SealBoss® FlexLiner: concrete over an un-vented metal pan, magnesite and lightweight concrete. Equipment should be cleaned with an urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

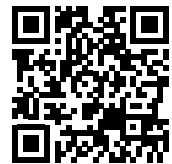
A non-continuous application defies a monolithic surface.

The substrate must be structurally sound and sloped for proper drainage.

Warning: This product contains Isocyanates, Asphalt and Solvent.

Technical Data

Coverage Rate at 1 gal/100 sq.ft.	14.25 mils
Pot Life at 75°F (24°C), 50% RH.	approx. 20 minutes
Hardness, ASTM D-2240	~ 60 A
Tear Resistance, Die C, ASTM D-624	150 (+- 50) pli, ~26.3 kN/m
Tensile Strength, ASTM D-412	~ 900 psi, 6.2 MPa
Ultimate Elongation, ASTM D-412	450 +-100%
Total Solids by Volume, ASTM D-2697	89%
Volatile Organic Compounds ASTM D-2369-81	0.73 lb/gal 87.5 gm/liter



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