

SealBoss® FlexSeal 1

Single Component, Bitumen Modified Waterproofing Membrane Grades: Horizontal and Vertical Applications

FEATURES

- Economical, User Friendly and Labor Saving
- Resistant to Bacterial Growth
- VOC Compliant
- Meets the Criteria of ASTM C-836

TYPICAL USES

- Bridges
- Tunnels
- Split Slabs, Plaza Decks
- Basements, Balconies
- Foundation Walls
- Planters
- Culverts

TYPE OF MATERIAL

FlexSeal 1 is a single component, liquid applied, bitumen modified, coal tar free, urethane polyurea based water proofing membrane. The product is available in two grades, H for horizontal and V for vertical applications.

Color

Black

PROCESSING

Mixing

FlexSeal 1 should be thoroughly mixed using a mechanical mixer at slow speed or manually in such fashion as to ensure a homogeneous material. Avoid entrapment of air into the material as air bubbles may form when membrane is applied.

Application

FlexSeal 1 may be applied with various methods such as brush, squeegee, trowel or roller, such as a phenolic core roller. Apply the material evenly. Surfaces must be dry, clean and free of foreign matter.

Joints, Cracks and Flashing

FlexSeal 1 may be applied over cracks and joints. For wider cracks, it is recommended to use a Polyester Tape or similar for additional strength. First apply some material and then embed reinforcement tape into material and fill with more material to smoothen the area with the adjacent surface.

Primer

Primer is optional but may be recommended to achieve the best possible results.

Curing

For multiple coat applications, allow coating to cure for a minimum of 16 hours and a maximum of 48 hours before proceeding to apply subsequent layers. (Recommendation is for 70F / 21C and 50% relative humidity.

FlexSeal 1 is very sensitive to temperature and moisture. Higher temperatures and/or higher relative humidity will accelerate the cure time! Use caution in thickness of your application as thicker layers will prolong the cure time.

STORAGE

FlexSeal 1 has a shelf life of six (6) months in factory sealed containers at room temperature and stored indoors.

LIMITATIONS

FlexSeal 1 is not UV stable. The product is not intended for direct wear or abrasion. Containers that have been opened must be used as soon as possible. Product must not be diluted.

MAINTENANCE OF EQUIPMENT

Remove all excess sealant and any smears. Tools and mixing equipment are best cleaned immediately after use with an environmentally safe solvent as permitted under local regulations. Some solvents are hazardous, are aggressive towards plastic and rubber and might be in conflict with regulations on the jobsite. Caution! Some cleaners are combustible.

PRECAUTION

Protect your health! While working with this material, safety goggles, gloves and safety clothing must be worn at all times. While injecting, a full face shield is strongly recommended. Spills and blow-outs do happen! Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children!

Observe container labels, MSDS, and instructions in the Product Catalog before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations.

SealBoss® FlexSeal 1**Single Component, Bitumen Modified
Waterproofing Membrane
Grades: Horizontal and Vertical Applications****TECHNICAL DATA**

	FlexSeal 1 V (vertical)	FlexSeal 1 H (horizontal)
Appearance	Black	Black
Hardness, ASTM D-2240	40 ± 5Shore A	55 ± 5Shore A
Tear Resistance, Die CASTM D-624	70 ± 10pli 12.26 ± 1.8kNm	70 ± 10pli 12.26 ± 1.8kNm
Tensile Strength, ASTM D-412	500 ± 75 psi 4.83 ± 3MPa	600 ± 75 psi 5.53 ± 3MPa
Ultimate Elongation, ASTM D-412	500 ± 50%	500 ± 50%
Specific Gravity	1.21	1.21
Total Solids by Weight, ASTM D-2369	84 ± 3%	85 ± 3%
Total Solids by Volume, ASTM D-2697	76 ± 3%	76 ± 3%
Viscosity, at 80F / 27C	Pasty	4500 ± 2000 cps
Corrosiveness	Non-Corrosive	
Toxicity	Essentially Non-Toxic in Cured Form	

This product contains Aromatic Hydrocarbons, Isocyanates and a VOC compliant amount of Solvent.

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