



SealBoss® 1403 Applications

- Follow-Up Injection of Water Stop Foam Injection
- Hairline Crack Injection
- Sealing Concrete Cracks & Joints
- Sealing Concrete Construction Joints
- Brick Construction
- Waste Water Tanks
- Sewers, Manholes, Utility Boxes, etc.
- Tunnels, Dams, Bridges
- SealBoss® Inject Tube System 2000

Super Low Viscosity, Flexible, Polyurethane Injection Resin

SealBoss® 1403 Advantages:

- SealBoss® Product-Pump-Packer System Solution
- Deep Penetration - 70 CPS SLV
- Full Cure in Dry & Damp Conditions
- Flexible, Moisture Insensitive, 2 Comp. Formula
- Unregulated For Transport
- This Product is for Professional Use

Product Description

SealBoss® 1403 SLV Resin is a low viscosity, two component, hydrophobic MDI polyurethane based resin on a MDI polyurethane. The product is 100% solids and solvent free. The gel time of the product can be decreased by adding a **SealBoss® 1400 Catalyst**.

This high grade injection resin is designed for application in damp and dry cracks. Unlike water activated products, SealBoss® 1403 SLV Resin does not need any moisture for the reaction. The super low viscosity of 70 cps permits for excellent penetration into fine hairline cracks. Good adhesive properties and product flexibility minimize formation of new cracks in the structure. The cured resin is inert to wet and dry cycles, it does not shrink or swell. SealBoss® 1403 SLV Resin may slightly foam in contact with moisture in a pressure free environment. Under pressure SealBoss® 1403 SLV Resin cures to a dense and flexible sealant. The product is non-corrosive and safe for use in combination with foils and joint strips. The product is an excellent finishing product for areas previously injected with expanding foam, where minor leaks or dampness may persist.

Limitations: SealBoss® 1403 SLV Resin is not designed to stop active water leaks. Larger amounts of water can dilute the product and reduce physical properties. Active leaks should be stopped first with SealBoss® WaterStopFoam, PU Injection Grouts or **SealBoss® FlexGel**. Ask your SealBoss technician for details. The product is for professional use.

Installation Guidelines

SealBoss® 1403 SLV Resin is supplied in separate containers with equal amounts of A and B component. The mixing ratio by volume is 1:1 (A:B). The material can be applied with suitable two-component or single component injection equipment.

Single component equipment users: Observe temperature and humidity of the environment, since both determine the pot life of the premixed batch. Do not mix more material than the amount that will be pumped within pot life window. Rule: High temperatures and high humidity shorten your gel time.

The use of SealBoss® 1400 Catalyst is optional: By adding 1400 Catalyst to the clear A (!) side only, gel time can be reduced from approximately 1 hour to approximately 20 minutes. Up to 5% of catalyst may be added by volume to achieve the shortest gel time.

Example of catalyst usage:

2 gal mixture (7.6 liters)

1% = approx. 2.5 fl oz or .07 liters

5% = approx. 12 fl oz or .35 liters

All equipment, pumps and hoses must be dry. Avoid moisture contact with the mixture to prevent premature reaction. If product foams while pumping, immediately shut down the machine and flush with a cleaner to avoid build up and clogging of the equipment.

Maintenance of Equipment

Tools and equipment must be cleaned immediately after use. Remove all excess product. Cured product is hard to remove. **SealBoss® R70 Pump Flush** is a solvent free, non-flammable cleaner, lubricator, pump and hose conditioner. Please refer to the product data sheet for detailed information.

Health and Safety

Protect your health! Always use safety gear in compliance with OSHA and all applicable local and job-site regulations. While working with products. Handling of this product may result in spills, splashes, and airborne substances. Wear appropriate safety goggles, gloves and safety clothing at all times. During the pressure injection process a full face shield is advised for anybody within reach of product spill or blowout. 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! Observe container labels, SDS, applicable laws and regulations and all instructions 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. Get immediate medical attention as needed.



Technical Properties

	Comp. A	Comp. B	1400 CAT	
Appearance	Clear	Dark Brown	Clear	
Solids	100%	100%	100%	ASTM D 1010
Density, g/ml	1.02	1.14	1.16	ASTM D 3800-79
Flash Point, °C / °F	156/313	180/356	165/335	ASTM D 93-85
Viscosity, cps	60-70	80-90	50	ASTM D 1638-74
Mixing Ratio by Volume	1 part	1 part	5% max	
Packaging	5 gal	5 gal	0.5 gal	
Cured Product				
Hardness, Shore D	40			
Elongation, %	>100	ASTM D 638		
Tensile Strength, psi	260	ASTM D 638		
Adhesive Strength, to Concrete, psi	>260			
Corrosiveness	Non-Corrosive			
Storage	Good storage stability for unopened containers at 15 - 30°C, 58 - 85°F in dry, sun free indoors environment 2 years shelf life.			
Appearance	Dark Brown			
Resistance to Chemicals	Resistant to Most Organic Solvents, Mild Acids, Alkali and Micro Organisms			



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Revised 201705