

SealBoss 1430 LV-Resin™

LOW VISCOSITY & FLEXIBLE POLYURETHANE INJECTION RESIN

RANGE OF APPLICATION

- Injection into Wet and Dry Structures
- Hairline Crack Injection
- Sealing Concrete Cracks & Joints
- Sealing Concrete Construction Joints
- Brick Construction
- Waste Water Tanks
- Drinking Water Reservoirs
- Sewers, Manholes, Utility Boxes, etc.
- Tunnels, Dams
- 2000 Injection Tube System by WEBAC Corp.

TYPE OF MATERIAL

SealBoss 1430 LV-Resin is a low viscosity two component hydrophobic polyurethane resin based on a MDI (methylene-diphenyl-isocyanate). The product is 100% solvent free and 100% solids. The mixing ratio is A:B is 1:1 by volume.

This high grade and constant volume polyurethane resin is an universal injection resin designed for application in wet and dry cracks. Unlike our water activated materials 1430 LV-Resin does not need any external moisture for the reaction. 1430 LV-Resin has an ultra low viscosity of less than 100 cps resulting in excellent penetration into finest hairline cracks. Another advantage of this very flexible material is the adhesive strength to concrete which is typically higher than the tensile strength of the product when injected into the structure. The combination of great adhesion and flexibility of the material minimizes risk of developing new cracks in the concrete. The cured resin is inert to wet and dry cycles, it does not shrink or swell.

1430 LV-Resin may slightly foam in contact with water in a pressure free environment. Under pressure injection foaming is suppressed and 1430 LV-Resin cures to a dense and flexible sealant. The product is non-corrosive towards steel and is safe for use in combination with foils and joint strips. To achieve most satisfying and permanent results in certain applications, a combination of 1430 LV-Resin with other systems of our product line may be advised. The product works very well as a finishing product for areas previously injected with expanding foam, where minor leaks or dampness may persist. Ask your SealBoss technician for details. 1430 LV-Resin succeeds prior polyurethane resins of the 1400 line.

PROCESSING

1430 LV-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. Use of single component equipment makes it necessary to keep batches small enough to ensure complete dispersion of material during the 'workable' pot life in order to avoid reaction in the pump and hoses. We do not assume responsibility for equipment failures due to reacted product.

Plan ahead: 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 reasonable time. Rule: High temperatures and high humidity SHORTEN your gel time.

Caution: It is essential for all equipment to be dry. Avoid any moisture contact with the mixture to prevent premature reaction of the product. If reaction of the batch occurs while pumping, immediately shut down the machine and flush with a cleaner to avoid built up and clogging of the equipment.

MAINTENANCE OF EQUIPMENT

Remove all excess product and any smears. Tools and mixing equipment must be cleaned immediately after use. **R70 Pump Flush** is good to your equipment and should always be used. For best results please follow our recommendations. **First Step** is conditional - Omit if in conflict with regulations on the jobsite or the equipment you use: Flush first with a very small amount of solvent (not supplied by us) to cut remaining material. Caution: Xylol, Toluol, Acetone, M.E.K. are hazardous, combustible, aggressive towards the environment, equipment, seals and hoses. Immediately follow second step. **Second Step:** Flush with **R70 Pump Flush** circulate cleaner through pump and hoses for several minutes at higher flow rates. **R70 Pump Flush** is a solvent free, non-flammable cleaner, lubricator and pump and hose conditioner. The product ships without any hazard label.

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 1430 LV-Resin™**LOW VISCOSITY & FLEXIBLE
POLYURETHANE INJECTION RESIN****TECHNICAL DATA**

	Comp. A	Comp. B	
Appearance	Dark	Dark	
Solids	100%	100%	ASTM D 1010
Density, g/ml	1.05	1.10	ASTM D 3800-79
Flash Point, C / F	156/313	180/356	ASTM D 93-85
Viscosity, cps	70-100	80-100	ASTM D 1638-74
Mixing Ratio by Volume	1 parts	1 part	
Packaging	5 Gal	5 Gal	
Cured Product			
Hardness, Shore D	50		
Elongation, %	>200	ASTM D 638	
Tensile Strength, psi	300	ASTM D 638	
Adhesive Strength, to Concrete, psi	>300		
Corrosiveness	Non-Corrosive		
Storage	Good storage stability for unopened containers at 15 - 30C, 58 - 85F in dry, sun free indoors environment 1 year shelf life.		
Appearance	Dark Brown		
Toxicity	Polyurethane Sealant Essentially Non-Toxic in Cured Form		
Resistance to Chemicals	MDI Based Resistant to Most Organic Solvents, Mild Acids, Alkali and Micro Organisms		

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