

### Polyurethane Foam Resin For **Wet & Dry** Injection Applications

### SealBoss® 1503 Applications

#### SealBoss® 1503 Water Stop Foam Advantages:

- Fast Curing With and Without Water
- Fast Sealing Foam Structure Upon Contact With Water
- Low viscosity, Flexible After Cure
- Universally Applicable
- Fast Curing – Permanent Seal
- For Professional Use Only

#### SealBoss® 1503 Water Stop Foam for infiltrating water:

- Defective Concrete (Cracked or Honeycombed)
- Concrete Construction Joints & Cracks
- Brick Construction, Geo Formations
- Pipe Intrusions
- Waste Water Tanks, Water Reservoirs
- Tunnels, Dams, Soil Stabilization
- Sewers, Manholes, Utility Boxes

#### Product Description

**SealBoss® 1503 Foam Resin** is a Flexible Hydrophobic Foam and Resin Combination Product.

##### Dry:

In a dry environment the material will behave like a low viscosity resin and cure to a flexible non cellular sealant.

##### Wet:

When in contact with water the product will react like a hydro-active polyurethane foam and expand and cure to a flexible foam.

Since water is not a component of the cured product's structure, the applied material is essentially not effected by water or dryness. The reacted material does not shrink or swell. The MDI polyurethane based resin is 100% solvent free and 100% solids.

Due to the low viscosity of the material, SealBoss® 1503 Foam Resin offers superior penetration in hairline crack injection. The product is suitable for the filling of spaces, cracks and honeycombing in stone or concrete structures. Ask your SealBoss® technician for details. The product is for professional use.

#### Installation Guidelines

**SealBoss® 1503 Foam Resin is an extremely versatile leak seal product as it can be applied in wet, damp and completely dry environments.**

Continue the injection until resin leaks out from the cracks and/or from the adjacent packers. This is necessary to get an even material distribution

All equipment, pumps and hoses however 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 built 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.

## 1503 Foam Resin Wet & Dry Reactive Combi Foam

### Technical Properties

	1503 Foam Resin Comp. A	1503 Foam Resin Comp. B
Appearance	Amber	Amber
Solids	100%	100% ASTM D 2369
Density, lb/gal - g/ml	1.0	1.1 ASTM D 6459
Mixing Ratio by Volume (2%-10% accelerator)	50-10 parts	1 part
Solubility in Water	not	
Packaging	1 gal 5 gal	1 gal 5 gal
Storage / Shelf Life	Unopened Containers Only at 15-30°C / 58-85°F in dry, sun free indoors 2 years - 5 gal / 55 gal 1 year - 1 gal units	Unopened Containers Only at 15-30°C / 58-85°F in dry, sun free indoors 2 years

### A/B Combined Data

Viscosity, cps	300-350	ASTM D 2196
<b>Reaction</b>		
Induction Time, 20°C / 68°F	55 sec	
Gel time, 21°C / 70°F	200 sec	

### Properties Cured

Physical properties  
may vary based on water  
& accelerator ratios  
& conditions during reaction

Expansion, %	1000-1200 (10-12 Times)	
Elongation, %	>10 %	ASTM D 3574
Adhesive Strength	~ 0.3 N/mm <sup>2</sup> ~50 psi	ASTM D 3574
Hardness Shore A	~ 45-50	
Corrosiveness	Non-Corrosive	
Appearance	Yellow-White Polyurethane Foam	
Toxicity	MDI Based, Good Resistance to Chemicals Resistant to Most Organic Solvents, Mild Acids, Alkali and Micro Organisms	



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