

## SealBoss® 1572 Water-Stop-Foam NSF / 15X2 Accelerator

**NSF Drinking Water Contact Approved Flexible, Water Activated Polyurethane Water Stop Foam & Seal Injection Grout**  
Certified for contact with potable water in accordance with NSF/ANSI-61 International Standard for Drinking Water Additives

**Discontinued Product - See SealBoss 1510 and SealBoss 1570**

### RANGE OF APPLICATION

Foam Sealant for infiltrating water through:

- Defective Concrete (Cracked or Honeycombed)
- Concrete Construction Joints & Cracks
- Limestone
- Brick Construction
- Pipe Intrusions
- Waste Water Tanks
- Drinking Water Reservoirs
- Sewers, Manholes, Utility Boxes, etc.
- Tunnels, Dams

### TYPE OF MATERIAL

**SealBoss® 1572 Water-Stop-Foam** is a very flexible hydrophobic water / hydro activated water cut-off injection grout based on a MDI (methylene-diphenyl-isocyanate) polyurethane. The resin is 100% solvent free and 100% solids. The gel-time of the product is adjustable by the mandatory adding of a certain percentage of **15X2 Accelerator**. **1572 Flexible Water-Stop-Foam is certified for water contact in accordance with NSF standard 61, for contact with potable water.**

Upon contact with water **1572 Water-Stop-Foam** reacts to a very flexible foam while expanding its volume 10 to 25 times. The cured material is flexible in its elongation and compression properties, and is of a constant volume. Since water is not a component of the foam structure, the cured material is essentially not effected by water or dryness. The reacted material does not shrink or swell.

Depending on the amount of accelerator added and the pressure of injection, reacts to a very dense, closed cell, flexible material or a more open cell, flexible product. For best waterproofing results the closed cell structure is desired.

**SealBoss® 1572 Water-Stop-Foam** is extremely well suited to seal against water in moist and wet joints and cracks in concrete. The material offers high flexibility and elongation properties combined with good adhesion on wet and dry concrete surfaces in the injected environment. Higher Injection pressures typically result in higher foam density and waterproofing quality.

To achieve most satisfying and permanent results in certain applications, a combination of **1572 Water-Stop-Foam** with other systems of our product line may be advised. Ask your **SealBoss** technician for details.

### PROCESSING

**1572 Water-Stop-Foam** and the **15X2 Accelerator** are supplied separately to allow adjustment of gel-time and to provide a long shelf life. It is mandatory to add **15X2 Accelerator** to ensure complete reaction as designed. A higher percentage of Accelerator added will increase reactive speed, expansion volume and lower the density of the product accordingly. Since the end product is of cellular structure, a higher density is favoured for best waterproofing properties.

Recommended mix ratios are between 5% and 10% of Accelerator added. In situations of high water flow rates and /or low temperatures, ratios may be increased to 20%.

**Examples:** In applications of high pressure water-intrusions, the system will react aggressively on contact with water when catalyzed at 10% or more. A slightly catalyzed product at about 2% on the other hand assures good penetration results in very fine capillary crack injection and for purposes of extended reach of product in the injected structure.

The accelerator system offers a very flexible bandwidth of reactive properties, gel-time and expansion rate which make this product extremely versatile for many applications.

**Plan ahead:** 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 of thumb: High temperatures and high humidity - less accelerator.

**1572 Water-Stop-Foam** reacts with the moisture in the structure and does not need large amounts of water to react. Simultaneous injection of water is typically not necessary. If the area of application seems to be completely dry, pre-injection of water may be recommended.

**Caution:** This product is moisture activated. 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 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.

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### TECHNICAL DATA

	1572 Water-Stop-Foam	15X2 Accelerator	
Appearance	Pale Yellow	Clear	
Solids	100%	100%	ASTM D 1010
Density, g/ml	1.068	0.94	ASTM D 3800-79
Flash Point, C / F	199/390	150/302	ASTM D 93-85
Viscosity, cps	600	20	ASTM D 2196
Mixing Ratio by Volume (2%-10% accelerator)	100-10 parts	1 part	
Solubility in Water	not		
Packaging	5 Gal 55 Gal	0.5 Gal	
Storage	Good storage stability for unopened containers at 15 - 30 C 58 - 85 F. Store indoors. Shelf life 2 yrs.		
Accelerator Usage in Weight Percent added			
Accelerator 15X2	Cream Time	Tack Free Time	
%	secs.	mins.	
1	100	25	
2	70	14	
3	40	7	
6	35	3	
10	29	3	
Cured Product			
Expansion, %	1000-2500 (10-25 Times)		
Elongation, %	250	ASTM D 3574	
Tensile Strength	150 psi	ASTM D 3574	
Shrinkage	<4%	ASTM D 1042	
Corrosiveness	Non-Corrosive		
Appearance	Yellowish-White Polyurethane Foam		
Toxicity	Essentially Non-Toxic in Cured Form		
Resistance to Chemicals	MDI Based, Drinking Water Approved Resistant to Most Organic Solvents, Mild Acids, Alkali and Micro Organisms		

Water Quality Association 11/12/2010 NSF/ANSI-61 International Standard for Drinking Water Additives

Product Type: Joining and Sealing Material

Model	Water Contact Temp	Water Contact Material	Size
1572 Water-Stop-Foam <sup>1</sup>	CLD 23	Various	N/A
15x Accelerator	CLD 23	Various	N/A

<sup>1</sup> Certified when used in a 9:1 mixture of 1572 Water-Stop-Foam and 15X2 Accelerator. The mixture of 1572 Water-Stop-Foam and 15X2 Accelerator are then reacted with up to five parts water per hundred parts 15X2 Accelerator / 1572 Water-Stop-Foam. Cold end-use temperature (23°C), at a maximum field SA/V ratio of 0.008 cm<sup>2</sup>/L.

<sup>2</sup> 15X2 Accelerator is only certified to be used with 1572 Water-Stop-Foam at a maximum level of 10 parts 15X2 Accelerator per hundred parts 1572 Water-Stop-Foam. The mixture of 1572 Water-Stop-Foam and 15X2 Accelerator are then reacted with up to five parts water per hundred parts 15X2 Accelerator / 1572 Water-Stop-Foam. This product has a cold end use temperature (23°C), at a maximum field SA/V ratio of 0.008 cm<sup>2</sup>/L.

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