SealBoss®
1500 Hot Shot Cartridge

Product Data Sheet

WaterStopFoam
2-Component Formula

SealBoss® 1500 Applications

SealBoss® 1500 WaterStopFoam Cartridge

- Defective Concrete (Cracked or Honeycombed)
- Concrete Construction Joints & Cracks
- Limestone
- Basements, Parking Garages, Brick Construction
- Pipe Intrusions
- Tunnels, Dams, Bridges
- Sewers, Manholes, Utility Boxes

Water Activated, Polyurethane Waterstop & Seal Injection Foam Grout

SealBoss® 1500 WaterStopFoam Advantages:

- SealBoss® Product-Pump-Packer System Solution
- 1:1 Ratio, 2 Component Cartridge System Formula
- Unregulated For Transport
- Advanced Phthalate Free, MDI Formulation
- This Product is for Professional Use

Tips for Cartridge Users

- Shake cartridge prior to all applications and each time it is used for a minimum of 1 minute.
- Remove air from system - prime cartridge by slowly dispensing product from cartridge into mixer in vertical orientation until mixer is completely filled.
- Discard a small amount of product prior to application. Ratio may be slightly off when initial product travels through static mixer. Once uniform mixture is observed, product is ready for application.
- Dispensed product is highly water reactive and will expand to foam.

Product Description

SealBoss® 1500 WaterStopFoam is a hydrophobic, water-activated (hydro-active), water cut-off grout and foam seal grout based on a phthalate free, MDI polyurethane. The product is 100% solvent free, 100% solids two component formulation to be mixed at a 1:1 ration by volume. Upon contact with water SealBoss® 1500 WaterStopFoam reacts to a semi flexible foam while expanding its volume 30 to 40 times. The cured material 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 essentially does not shrink or swell.

The advanced 1:1 formulation of the product results in a very dense, closed cell structure when injected under pressure. Very low counter pressure will result in a less rigid more expanded product. For best waterproofing results a closed cell structure is desired. |

Installation Guidelines

The product is part of the ***SealBoss® Cartridge System***. The mix ratio by volume is 1:1. SealBoss® 1500 WaterStopFoam 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 in some circumstances.

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Technical Properties

	1500 Comp. A	***1500 Comp. B***	
Appearance	Colorless	Brown	
Solids	100%	100%	ASTM D 1010
Density, lb/gal - g/ml	1.12	0.93	ASTM D 3800-79
Boiling Point, °C / °F	205°C / 400°F	170°C / 338°F	
Flash Point, °C / °F	180°C / 356°F	125°C / 225°F	ASTM D 93-85
Viscosity, cps	90-98	90-98	ASTM D 2196
Mixing Ratio, by Volume	1:1		
Solubility in Water	not		
Packaging	22 oz dual cartridge		
Storage / Shelf Life	Unopened Containers Only at 15-30°C / 58-85°F in dry, sun free indoors Cartridges - 12 months	Unopened Containers Only at 15-30°C / 58-85°F in dry, sun free indoors Cartridges - 12 months	
Reaction			
Induction Time, 20°C / 68°F	15 sec		
Initial Cure Time, 20°C / 68°F	2 min		
Properties Cured			
Physical properties may vary based on water ratios & conditions			
Expansion, %	approx. 4000 (40 Times)		
Elongation, %	10-20 ASTM D 638		
Tensile Strength	65 psi ASTM D 638		
Shear Strength	>15 psi ASTM C 273		
Strength (Sand Filled)	1500 psi		
Corrosiveness	Non-Corrosive		
Resistance	Resistant to Most Organic Solvents, Mild Acids, Alkali and Micro Organisms		

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.

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