

Dec 2022

## BD Loop Shield (BD-LS) MS Loop Sealant

### Description

**BD Loops Shield** is a tough, long lasting, flexible one-part moisture curing self-leveling hybrid sealant. BD-LS protects and shields inductance loop wire in concrete, asphalt, and other substrates. BD Loop Shield “BD-LS” is made using one of the most advanced, high performance polymer technologies available in sealants today.

### Uses

BD-LS is designed to seal inductance loops installed in saw-cut slots. BD-LS exhibits excellent adhesion to concrete, asphalt, paver stones, brick, and a variety of other substrates.



### Features

- Self leveling.
- 100% Solids, will not shrink. No solvents.
- UV and weathering resistant.
- Does not bubble when exposed to water.
- Can be applied to damp/wet surfaces.
- Flat Sealant tip included with each tube of sealant. Seal the groove in 1 pass from the bottom up!
- 30 fl oz. rigid plastic tube.
- V.O.C. and California Prop 65 compliant.
- Paintable.
- Resists yellowing.
- Available in Gray or Black.
- Made in the USA.

### Surface Preparation

Surface should be clean. Alcohol can be used to clean the surface if necessary. Priming is not required.

### Application

Carefully cut the tip off the cartridge just above the nozzle threads. Thread sealant tip onto cartridge and place into quart sized caulking gun. Sealant should be applied from the bottom of the saw-cut groove. Slightly underfill the groove to be within 1/8" (3.12 mm) of the surface to prevent vehicles from tracking sealant. For easier application, pneumatic and battery powered dispensing guns are available. Do not use high speed setting on powered dispensing guns.

### Storage

For maximum shelf life store in a dry, cool, and well-ventilated place. 1 year shelf life from date of manufacture.

### Packaging

BD Loop Shield “BD-LS” is packaged into 30 fl oz. rigid plastic caulking cartridges that are compatible with standard quart tube caulking guns.



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### Physical Properties

Property	BD-LS
Viscosity	40,000 cps (Spindle 7, 4rpm)
Colors	Gray or Black
Solids	100%
Hardness, Shore A (ASTM C-661)	25 (Shore A)
Elongation (ASTM D-412)	300%
Tensile Strength (ASTM D-412)	1.33 MPa
Lap Shear (ASTM D-412)	N/A
QUV Testing (ASTM G-26)	Pass (4,000 hrs)

**Note:** The above properties are typical characteristics and not to be considered as specifications.

### Coverage

#### 3/16" Wide Blade/Groove

Depth	Coverage Per Cartridge	Coverage Per Case
1 1/4"	20 ft	240 ft
1 1/2"	16 ft	192 ft

#### 1/4" Wide Blade/Groove

Depth	Coverage Per Cartridge	Coverage Per Case
1 1/4"	15 ft	180 ft
1 1/2"	12 ft	144 ft

**Using a 3/16" wide blade over 1/4" blades will save you 25% in loop sealant.**

### Curing

BD-LS will skin over in approximately 45 minutes at 70° F (21° C) and 50% relative humidity. Temperatures below 32°F (0°C) and/or low humidity will slow skin/cure time. Strength will start to develop immediately and continue increasing for 7 days after application. However, if groove is slightly underfilled traffic is permitted immediately after application. Not designed for installation in freezing temperatures. Use BD-LG2 for cold weather installations.

### Spills / Clean Up

Wet BD-LS can be cleaned up with rubbing alcohol. Dry BD-LS can be removed by abrading or scraping.

### Safety and Handling

Please refer to the Safety Data Sheet for BD-LS for more information.

### Questions?

BD Loops is here for you. We have a 24 Hour tech support line. Give us a call at: (800) 878-7829.