

RepSeal LD

Loop Detector Sealant

100% Solids Joint Sealant

DESCRIPTION:

RepSeal LD Loop Detector Sealant is a one-component, high-performance urethane hybrid joint sealant engineered for use in saw cuts for traffic detector loops. **RepSeal LD** is designed for both concrete and asphalt joints. **RepSeal LD** is resistant to Deicers, Sodium Chlorides, Brake Fluids, Oils, etc. **RepSeal LD** provides a long lasting weather tight UV resistant seal and is ideal for use with any inductive detection systems.

USES:

- Loop Detector Sealant
- Lighting
- Security Gates
- Toll Booths
- Lead in wires at pull box
- Any conductive loop or connections

FEATURES:

- 100% Solids
- Can be Applied vertically (curb faces, walls)
- Bonds to Damp Masonry
- Durable Long Lasting Seal
- Excellent Weathering Properties
- Fast Skinning – Resists Dirt Pickup on Construction Sites
- Gun Grade
- Bonds to a Variety of Substrates without Priming
- No Mixing
- No Shrinkage
- No Solvents or Odor
- Self Leveling
- Safe to Use Indoors and in Confined Spaces
- Single Component

TECHNICAL DATA:

ASTM C920, Type S, Grade P, Class 25, Use T, M, G, A & OTT-S-00230-C Type I, Class B
 Conforms to California Proposition 65
 Meets Requirements of CARB & SCAQMD
 VOC Compliant (16 grams/liter ASTM D2369)
 Canadian Standards Board CAN 19, 13-M82

PACKAGING:

20 oz. (591 ml) Sausages: 12 per case, 60 cases per pallet
 2 gallon (7.56 liters) pails: 60 pails per pallet

COLOR:

Black, Gray and White

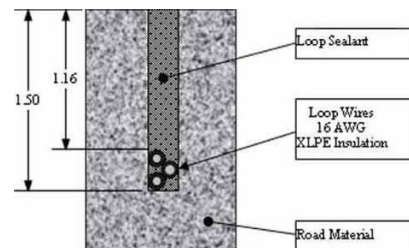
COVERAGE:

Joint Sealant Coverage Chart (linear feet per gallon)

		Width of Joint (in.)										
		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1.25"	1.5"	1.75"	2"
Depth of Joint (in.)	3/16"	411	275	205	164							
	1/4"	307	205	154	123	103	88	77	62	51	44	38
	3/8"			103	82	68	59	51	41	34	29	26
	1/2"			77	62	51	44	39	31	26	22	19
	5/8"								25	21	18	15
	3/4"								21	17	15	13

JOINT PREPARATION:

Concrete and masonry substrates shall be cured prior to the application of the sealant. The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance or other surface contaminants. Some agencies require a light sand blast finish equal to ICRI CSP #1-3, this may be completed with the use of **TuffTex PrepEtch**.



PHYSICALS	
Specific Gravity (Depending on Color)	1.60 ± 0.1
Viscosity (Brookfield RVT, TF Spindle, 4RPM, 73°F [23°F])	>10,000-14,000 cps
Odor	Mild Ester Smell
Service Temperature, Continuous Service	-40°F to 200°F (-40 to 93.3°C)
Low Temperature Flex	-10°F(-23.3°C) pas 1/4" Mandrel
Slump (Sag), ASTM C-697	Self Leveling
Hardness, ASTM D-2240 Shore A	60 ± 5
Shear Strength, ASTM D-1002	150 ± 15 psi (1.03 ± 0.1 mPa)
Tack-free Time, ASTM C-679	20-30 minutes
Elongation, ASTM D-412	450% - 600%
Solids by Weight, ASTM D 1644	100%
Solids by Volume, ASTM D 2697	100%
Tensile Strength, ASTM D 2370	500 psi
Flash Point, ASTM D 56	None
VOC EPA 24	8 gms/l <1.5%
Shrinkage, after 14 days	No Measurable Shrinkage
Thermal Compatibility to Concrete	Good

CONCRETE:

Concrete and masonry substrates shall be fully cured and dry prior to the application of the sealant. Remove any contamination by mechanical abrasion, sand blasting or power washing. **RepSeal LD** does not require a prime.

APPLICATION:

RepSeal LD is a one component, ready-to-use material that requires no mixing. **RepSeal LD** may be water cured by hand or drill mixing 4 ounces of water/gallon for faster curing (approximately 2 hours). It is recommended that a quality caulking gun be used to ensure ease of application. Apply when temperatures are above 40°F (4.4°C). Begin gunning to fill the joint from the bottom to the surface, ensuring there are no voids or air pockets. Dry tooling is recommended to create a strong mechanical bond against the joint faces. Do not use **RepSeal LD** in temperatures below 40°F (4.4°C).

CLEAN UP:

Wet sealant can be removed using a solvent such as alcohol, or soap and water. Cured **RepSeal NS** can be removed by abrading or scraping the substrate. Equipment should be cleaned with an environmentally-safe solvent, as permitted under local regulations, immediately after use.

CURING:

RepSeal LD typically skins over within 15-45 minutes and cures through in 3 to 7 days depending upon temperature, humidity and thickness. Water curing is the preferred method when caulking in low temperatures. Lower temperatures and humidity prolong cure time. Higher temperatures accelerate cure time.

**STORAGE AND SHELF LIFE:**

Store in original, unopened containers in a cool, dry area at a temperature between 60-95°F (15-35°C). Protect unopened containers from heat and direct sunlight. Elevated temperatures will reduce shelf life. **RepSeal LD** has a shelf life of one year from the date of manufacture; when stored indoors at a temperature between 60-95°F (15-35°C) and in the original factory sealed containers.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

DISCLAIMER:

Refer to the SDS sheet before use. The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of **TuffTex Materials, Inc.** Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact your local **TuffTex Materials, Inc.** distributor or technical representative for additional technical data and instructions.

