

SPECTON CONSTRUCTION PRODUCTS LTD.

# PURcast LV

## LOW VISCOSITY POLYURETHANE RESIN

### TECHNICAL DATA

#### SPECTON PURcast LV

A two component polyurethane injection resin designed for sealing cracks and construction joints in concrete and masonry structures. PURcast LV cures to form a flexible elastomeric polymer for sealing dry or humid cracks and provides excellent corrosion protection in cracked reinforced concrete. PURcast LV is compatible with a variety of parking deck and waterproofing membranes.

#### RECOMMENDED FOR

Sealing dry or humid cracks, construction joints and rock pockets in concrete structures such as:

- Parking Garages
- Processing Plants
- Industrial, Commercial and Residential Poured Concrete Foundations.

#### FEATURES / BENEFITS

##### Safe –

100% solids and harmless to the environment.

##### Adjustable Accelerator Dosage –

Controlling the accelerator dosage allows the applicator to react to a variety of changing site conditions. Accelerator is optional when using PURcast LV.

##### Stable –

Cured elastomer withstands thermal expansion/contraction, wet/dry cycles, freeze/thaw cycles and crack movement without degradation.

##### Chemically Resistant –

Excellent resistance to fungi, gases and chemicals typically found in soil and sewer effluent. Resistant against biological attack.

##### Proven Track Record –

PURcast LV has been successfully used for over 10 years in North America and remains the product of choice by engineers, owners and specialty sewer restoration contractors.

##### Applicator Friendly –

No unpleasant odors, and PURcast LV can be injected using single or plural component injection equipment.

#### COMPOSITION / CHARACTERISTICS

##### SPECTON PURcast LV – A Component

Appearance		Milky White Liquid
Viscosity at 25°C	ASTMD-4878-98	220 cps ± 50
Relative Density at 25°C	ASTMD-789-98	1.020 ± 0.005
Flashpoint	ASTMD-1310-86	156°C

##### SPECTON PURcast LV – B Component

Appearance		Yellow Liquid
Viscosity at 25°C	ASTMD-4878-98	30 cps ± 20
Relative Density at 25°C	ASTMD-789-98	1.13
Flashpoint	ASTMD-1310-86	180°C

##### SPECTON PURcast LV – Mixture Uncured

Viscosity at 25°C	ASTMD-4878-98	110 cps ± 50
Pot Life at 20°C approx.		25 min

##### SPECTON PURcast LV – Mixture Cured

Shore A Hardness	ASTMD-2240-00	± 35	Shore A
Elongation	ASTMD-1623-78	98%	

# PURcast LV

## LOW VISCOSITY POLYURETHANE RESIN

### MIXING AND HANDLING

**1** Wear rubber gloves and safety glasses and/or a safety shield when mixing or handling the products. Familiarize yourself with the MSDS guidelines and information. Mix and install the materials in a well ventilated area.

**2** Using clean and dry graduated measuring equipment, measure out A and B components precisely. Add 5 volumes of PURcast LV A component to 1 volume of PURcast LV B component.

**3** Mix the A and B components thoroughly until a homogeneous mixture has been obtained. When using single component injection equipment, mix small batches of PURcast LV to avoid flash setting of the material. Refer to the *Reaction Velocity* graph to assist you in estimating the pot life of the material. We always recommend that a small cup test be performed on site to determine a more accurate pot life.

**4** Install or inject the resin mixture using a single or plural component pump.

**5** Clean the injection pump with Specton Pump Flush as required.

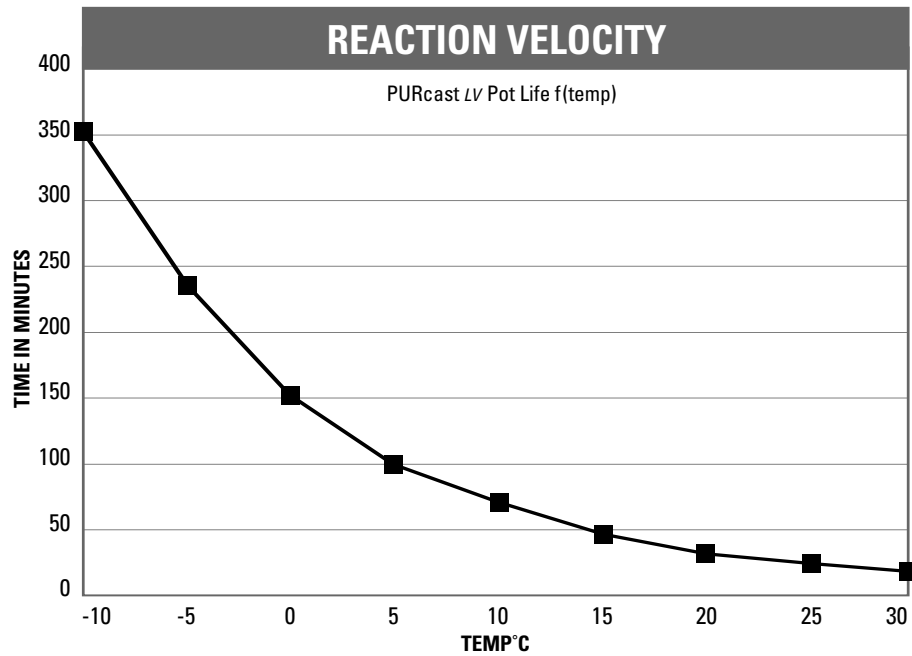
### APPLICATION

Contact a Specton Technical Representative for specific application guidelines for your injection project.

Refer to SPECTON's proven **SPEC-IT (SPECTon Injection Technique)** installation guidelines for crack injection, expansion joints and manhole repair.

### STORAGE

Specton polyurethane resins and accelerators are moisture sensitive and should be stored in their unopened original packages in dry conditions at temperatures below 24°C (75°F). Do not allow the polyurethane resins and accelerators to freeze or to be stored in temperatures below 0°C (32°F).



### SAFETY PRECAUTIONS

- **Avoid contact with skin or eyes.**
- **Familiarize yourself with the MSDS and follow safety precautions indicated.**
- **Mix and apply the materials in a well ventilated area.**
- **In addition to conventional construction safety equipment, wear rubber gloves and a safety visor.**

### PACKAGING

Specton PURcast LV  
A Component           – 20 Kg PAILS  
B Component           – 4.3 Kg BOTTLES

All recommendations, data and statements contained within this document are based on tests we believe to be correct, but are not to be construed as a warranty either expressed or implied. The user shall rely on his or her own tests and information to determine the suitability of the product for the application and assumes all risk and liability resulting from his or her use of the product. The seller's and manufacturer's sole responsibility shall be to replace that portion of product that is proven to be defective. Neither the seller nor the manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from the use or inability to use the product.

### PLEASE CONTACT US FOR ADVICE AND PRODUCT INFORMATION

Specton Technical Representatives are available to assist you with specific guidelines for your project and product requirements. We can be reached at:

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**S P E C T O N**

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