

# DONCRETE-2700L

## WATER STOP INJECTION SYSTEM

(Conforming to : ASTM-D-1010, ASTM-D-638, DIN-196-T-1, BS:6319, DIN-53505)

### Description of Material :

Doncrete 2700 L is a low viscosity two component Hydrophobic polyurethane resin based on a MDI (Methylene-Diphenyl-Isocyanate). The product is 100% Solvent free and 100% solids. The mixing ratio is A:B is 1:1 by volume. Doncrete 2700L is a chemical cure polyurethane product that does not need any external moisture to Cure. Under pressure injection Doncrete 2700L cures to a dense and flexible sealant. The product is non-corrosive towards steel and is for use in combination with foils and joints strips.

### Processing :

Doncrete 2700L is supplied in separate containers with equal amounts of A and B component. The mixing ratio by volume is 1:1 (A:B). The material can be applied with suitable two-component or single component injection equipment. Keep batches small enough to ensure complete dispersion of material during the workable pot life in order to avoid reaction in the pump and hoses. We do not assume responsible for equipment failure due to prematurely reacted product. Doncrete 2700 L may be added to the B component prior to mixing a batch, or prior to injection in a two component pump. The catalyst is a concentrate and small volumes reduce the gel time considerably. The Catalyst is provided in 20ml vials, It is recommended to create small "test batch" prior to mixing the full batch designed for injection especially when using single component equipments.

### Area of Application :

Follow up Injection of water stop Foam Injection:

Tunnels, Dams, Sewers, Manholes, Utility Boxes, Sump well, Waste Water Tanks, WTP, Basement, Brick Construction, Sealing Concrete Construction Joints, Sealing Concrete Cracks & Joints, Hairline Crack Injection.

Doncrete 2700L has a low viscosity of less than 100 cps at room temperature and extended gel time, allowing for excellent penetration into finest hairline cracks. Another advantage of this very flexible material is the adhesive strength to concrete which is typically higher than the tensile strength of the product when injected into the structure. The combination of great adhesion and flexibility of the material minimizes risk of developing new cracks in the concrete. The cured resin is inert to wet and dry cycles, it does not shrink or swell.

# DONCRETE-2700L

## WATER STOP INJECTION SYSTEM

### Product Details :

	Comp. A	Comp. B	
Appearance	Dark	Dark	
Solids	100%	100%	ASTM-D-1010
Density, g/ml	1.14	1.05	ASTM-D-3800-79
Flash Point, C/F	100/205	150/392	ASTM-D-93-85
Viscosity, cps	90-110	80-100	ASTM-D-1638-74/DIN-53018
Mixing Ratio by Volume	1 Parts	1 Parts	
Hardness, Shore D	50		
Elongation, %	>800		ASTM D 638
Tensile Strength, psi	100		ASTM D 638
Adhesive Strength to concrete, psi	>100		
Corrosiveness	Non-Corrosive Good storage stability for unopened containers. 58-85F in dry, sun free indoors environment 1 years shelf life.		
Appearance	Light Brown		
Toxicity	Non-Toxic in cured form MDI based		
Resistance to Chemicals	Resistant to most Organic Solvents, Mild Acids, Alkali and Micro Organisms		



TECHNICAL COLLABORATION WITH



**Don Building Chemicals (India) Pvt. Ltd.**  
B-111-112, Santosh Complex, Vibhuti Khand,  
Gomti Nagar, Lucknow- 226010  
E-mail: [donbuildingchemicals@yahoo.com](mailto:donbuildingchemicals@yahoo.com)  
Website: [www.donbuildingchemical.com](http://www.donbuildingchemical.com)

**Doncrete USA Inc.**  
Governors Hwy 292, PA-8, Oil City  
PA-United States- 24601  
E-mail: [help@doncreteusa.com](mailto:help@doncreteusa.com)  
Website: [www.doncreteusa.com](http://www.doncreteusa.com)