

Urethane SR

Hydrophobic
Urethanes

DESCRIPTION

Urethane SR is a compound designed for sandy soil stabilization when medium or high strength is required. When **Urethane SR** comes in contact with water, this dark brown non-flammable uncured liquid expands and quickly cures to a polyurethane foam that is resistant to most organic solvents, mild acids, alkali and resistant to micro-organisms. **Urethane SR** will seal and cure depending on the amount **Urethane SR** used and the temperature conditions (consult reactivity data). By preheating the **Urethane SR** it is possible to improve penetration properties since at higher temperature **Urethane SR** shows lower viscosity. The gas bubbles formed during the reaction creates a 10 % improvement on the penetration properties.

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Accessories

Please read the **MSDS** literature, prior of usage of the product. Use this product only in well ventilated area. Eye and skin contact should be avoided.

Urethane Grout
Technologies

PHYSICAL PROPERTIES

Uncured

Urethane SR

Solids	100%	ASTM D-1259
Viscosity	25 cps @ 68°F	ASTM D-4889
Flash Point	C.O.C. 288 °F	ASTM D-93
Specific Gravity	1.114 (9.30 lbs/gal)	ASTM D-4659 Test B
Color	Black-Brown	

Waterproofing

Urethane SRAcc

Viscosity	5 cps @ 68° F	ASTM D-4889
Flash Point	C.O.C. 320 ° F	ASTM D-93
Appearance	Clear Liquid	

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Cured

Tensile Strength	1,172 KPa (170 psi)	ASTM D-3574 Test E
Density	1,074 Kg/m3 (8.96 lbs/gal)	ASTM D-3574 Test A
Compressive Strength	1648 psi	
Bending Strength	369 psi	
Bond Strength	28 psi (bending) 326 psi (shearing)	
Shrinkage	0%	
Toxicity	Non-Toxic	

Soil Stabilization

STORAGE

Store in dry areas using original container. Keep away from water and humidity. Maintain spouts closed.

PROCURABLE

Urethane SR comes in a 5 gallon container.

Urethane SRAcc comes in a 32 oz container.

Urethane grouts are packaged under dry nitrogen to keep moisture out , for extended shelf life.

Reactivity Data

Urethane SR

Temperature	% SRAcc	Cream Time	Gel Time
50° F	0.5		15'05"
	1.0		7'00"
	1.5		3'42"
68° F	0.5		11'00"
	1.0		5'00"
	1.5		2'35"
86° F	0.5		6'25"
	1.0		3'30"
	1.5		1'55"

PRODUCT WARRANTY

The recommendations and suggestions given in this report are made without any representation or warranty, as they are represented for your own investigation and verification. Products discussed are sold without warranty, expressed or implied, in law or fact and upon the condition that purchasers make their own tests to determine the suitability of such products for their particular purposes. Manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Manufacturers will not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of or inability to use the product. Users should consider this data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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