



COATLOK® U-192

TECHNICAL DATA SHEET

Coatlok® U-192 is a two-component polyurea elastomer, 100% solid, specifically developed to be versatile: it can be sprayed both at low and high pressure and temperature settings. A versatile system used as a waterproofing protective membrane on a wide variety of substrates. HBS Coatlok® U-192 can also be sprayed over Icynene® HFO 200 to create a dampproofing and/or a waterproofing assembly that meets the International Building Code (IBC) and International Residential Code (IRC) (UL ER39727-01). This product has an UL Evaluation Report for waterproofing system and foundation wall. Coatlok® U-192 can be sprayed on steel, concrete, polyurethane foam, and so on. Surface preparation including primer is required for all types of substrate, refer to application guide.

Meets AC-29 Standard for Cold, liquid-applied, below-grade, exterior dampproofing and waterproofing materials that meets the following Building Codes requirements.

Common Uses: Below grade foundation and exterior waterproofing.

AC 29 BELOW-GRADE WATERPROOFING PERFORMANCE			
Properties	Test Method	Requirements	Results
Dry Film Thickness	-	Report	100 mils (2.5mm)
Tensile Strength	ASTM D 412C	Report	1700 psi (11.9 kPa)
Resistance to Water	ASTM D 2939	No blistering or reemulsification	Compliant
Low Temperature Crack Bridging	ASTM C 836	10 cycles at -15°F	Compliant
Peel Adhesion Strength	ASTM C 836	1 lbf./in.	16 lbf./in.
Resistance to Decay	ASTM E154 ASTM E 96-A ASTM D 5385	10% Maximum Weight Loss 1 perm maximum Water Vapor Transmission	0% Weight Loss Compliant
Remain in Place During Application	ASTM C 836	+/- 5 mils after 24 Hrs, Vertical Position	Compliant
System Hydrostatic Pressure Resistance With Suitable Concrete Primer. ¹ Maximum depth below-grade	ASTM D 5385	50% of Lowest Value Achieved	50 psi 115 Feet
Hydrostatic Pressure over cracks with minimum of 1" to 2.5" of Icynene® HFO 200 as primer.	ASTM D 5385	50% of Lowest Value Achieved	23 psi 53 Feet

¹ Follow primer manufacturers information as to proper thickness and installation

WATER VAPOR PERMEANCE		
Assembly	Test Method	Results
1"- 2.5" of Icynene® HFO 200 coated with 100 mils of Coatlok® U-192	ASTM E 96-B	0.39 Perms
Concrete coated with suitable primer coated with 100 mils of Coatlok® U-192	ASTM E 96-B	0.61 Perms

PHYSICAL PROPERTIES

Tensile Strength	ASTM D 412 C	1700 psi	10.0 - 11.7 Mpa
Elongation	ASTM D 412 C	430 - 500%	
Shore A Hardness	ASTM D 2240	90 - 93	
Tear Resistance	ASTM D 624	400 - 450 pli	

LIQUID COMPONENT PROPERTIES*

Property	U-192 Isocyanate	U-192 B
Color	Yellow	Transparent pale yellow, can be colored
Viscosity @ 77°F (25°C)	400 - 1000 cps	150 - 450 cps
Specific Gravity @ 77°F (25°C)	1.12 - 1.16	1.01 - 1.05
Shelf Life of unopened drum properly stored	12 months	12 months
Storage Temperature	59 – 86°F (15 – 30°C)	59 – 86°F (15 – 30°C)
Mixing Ratio (volume)	1:1	1:1

*See SDS for more information

REACTIVITY PROFILE

Gel Time @ 77°F (25°C)
4 -5 seconds

RECOMMENDED PROCESSING CONDITIONS*

Initial Primary Heater Setpoint Temperature	150 to 180°F	55 - 60°C
Initial Hose Heat Setpoint Temperature	150 to 180°F	55 - 60°C
Initial Processing Setpoint Pressure	1700 - 2900 psi	8970 - 13790 kPa
Substrate & Ambient Temperature	> 23°F	> - 5°C

*It is the sole responsibility of the applicator to process and apply Coatlok® U-192 within specification.

General Requirements: Equipment must be capable of delivering the proper ratio (1:1 by volume) of isocyanate and resin at adequate temperatures and spray pressures. Substrate must be at least 5°F above dew point, with a maximum relative humidity of 80%. Substrate must also be free of moisture (dew or frost), grease, oil, solvents and other materials that would adversely affect adhesion of the product. Surface preparation including primer is required for all types of substrate, refer to application guide. This product must not be used when the continuous service temperature of the substrate or product is below -10°F (-23°C) or above 140°F (60°C).

Disclaimer: The information herein is to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred. All patent rights are reserved. The product is combustible and must be protected in accordance with applicable codes. Protect from direct flame and spark contact, around hot work for example. The exclusive remedy for all proven claims is replacement of our materials.

