



COATLOK™ U-235

TECHNICAL DATA SHEET

COATLOK™ U-235 is a two-component pure polyurea elastomer, low VOC, low emissions specifically developed for applying highly elastic protective and insulating seamless membranes to all types of construction surfaces. This system is characterized by high-performance properties and it can be used in various coating application such as roofing application (in combination with a UV-stable protective layer of COATLOK™ U-235) and non-coating applications like waterproofing (including bridge deck waterproofing membranes), secondary containment, protective applications and sealing. COATLOK™ U-235 is excellent for insulation work using various types of geotextile materials. The product can be applied in a thickness of 1-5 mm in a single application.

The optimal reaction time allows the product to be sprayed to both horizontal and vertical surfaces. This ensures excellent wetting of the surface, adhesion and absence of sagging. COATLOK™ U-235 has good adhesion performance to a variety of surfaces, relative moisture and temperature insensitivity and excellent physical properties.

PHYSICAL PROPERTIES		
Tensile Strength	12 MPa	DIN 53504
Elongation	480%	DIN 53504
Shore A Hardness	87	DIN 53505
Adhesion ("pull-off") strength (concrete)	2.5 MPa (Primer= COATLOK PRE-215)	ASTM D4541

LIQUID COMPONENT PROPERTIES*		
PROPERTY	U-235-A	COATLOK™ U-235 B
Color	Clear Brown	Grey (other on request)
Viscosity 25°C	870 mPa.s	420 mPa.s
Specific Gravity 25°C	1.10	1.04
Shelf Life of unopened drum properly stored	12 months	12 months
Storage Temperature	15 – 30°C	15 – 30°C
Mixing Ratio (by volume)	1:1	

*See SDS for more information.

REACTIVITY PROFILE	
Gel Time @ 25°C	Tack Free Time @ 25°C
30 seconds	70 seconds

RECOMMENDED PROCESSING CONDITIONS*	
Initial Primary Heater Setpoint Temperature	>= 75°C
Initial Hose Heat Setpoint Temperature	>=75°C
Initial Processing Setpoint Pressure	>= 150bar
Substrate & Ambient Temperature	> - 10°C

*It is the sole responsibility of the applicator to process and apply COATLOK™ U-235 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°C 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. To achieve proper adhesion and substrate preparation, the use of primer is required. The product should not be used if the temperature of the protected surface is below +10°C or above +60°C during the application..

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.