



# COATLOK™ PRU-105

## TECHNICAL DATA SHEET

**COATLOK™ PRU-105** is a one-component, VOC free, multi-purpose polyurethane primer/sealer.

**COATLOK™ PRU-105** is used for priming and sealing porous mineral surfaces such as concrete, sand-cement, magnesia and anhydride screeds and bases, as well as wooden structures before applying polyurethane and polyurea/hybrid protective coatings. The complete absence of VOC's in the composition of the product ensures odorless application, reduced consumption, as well as rapid curing. The use of **COATLOK™ PRU-105** ensures a strong and uniform adhesive bond of the protective coating with the protected surface over the entire area. Method of application: airless spray or manually (rollers, brushes).

TECHNICAL DATA	
Chemical composition	MDI-prepolymer, additives
Solids content	100%
Density @ 20°C	1.15 g/cm <sup>3</sup>
Recoat window @ 20°C	2.0 (min) – 24.0 (max) hrs
Adhesion strength ("pull-off" test / concrete)	3.5 MPa
Material consumption	0.08-0.15 kg/m <sup>2</sup> per layer (depending on the surface roughness)

RECOMMENDED APPLICATION CONDITIONS*	
Surface preparation	Concrete: vacuum shot blasting, grinding
Temperature (surface, material & ambient air)	+5°C to +25°C
Concrete substrate moisture content	4-6 CM%
"Pull off" strength of the concrete substrate	> 1.5 MPa

\*It is the sole responsibility of the applicator to process and apply COATLOK™ PRU-105 within specification.

RECOMMENDED APPLICATION PROCEDURE*
<p>The product is ready-to-use and does not require mixing.</p> <p><b>COATLOK™ PRU-105</b> should be applied in a uniform thin layer without gaps using a high quality nap roller.</p> <p>It is also allowed to use equipment for airless spraying.</p> <p><b>DO NOT APPLY A THICK LAYER! AVOID SPILLS AND PUDDLES OF MATERIAL DURING APPLICATION!</b></p> <p>A well-primed mineral base should have a uniform, slightly glossy surface. The areas of the base where the primer is completely absorbed should be primed again.</p> <p>During the warm/hot season it is recommended to complete the priming work in the evening, since at night the applied primer penetrates the base better.</p>

**General Requirements:** 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. This product must not be used when the continuous service temperature of the substrate or product is below -30°C or above 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.