



# COATLOK™ PRE-215

## TECHNICAL DATA SHEET

**COATLOK™ PRE-215** is a two-component multi-purpose epoxy primer, based on phenalkamine technology.

The product is used for priming concrete and metal surfaces before applying epoxy, polyurethane and polyurea/hybrid protective coatings.

The special properties of **COATLOK™ PRE-215** primer ensure the formation of chemical bonds not only with epoxy, but also with polyurethane and polyurea coatings. The product itself can be used as a moisture and damp barrier for protective coatings with increased residual moisture content in **cement-based substrates** of up to 6 CM % and as an adhesive base coat for cement composite screeds. **COATLOK™ PRE-215** is also used for priming metal surfaces as part of anti-corrosion protection systems for steel structures, tanks, containers, reservoirs. Method of application: mainly by hand, using rollers and brushes.

TECHNICAL DATA	
Chemical composition	A component (base resin) – liquid epoxy resin, additives B component (hardener) – amine hardener based on phenalkamines
Mixing Ratio (A to B) by weight)	2.10 : 1.00
Solids content	≥ 96%
Density of a liquid mixture (A + B) @ 20°C	1.06 g/cm <sup>3</sup>
Pot life	≥ 40 min
Working time	approx. 30 min
Curing time (“touch-dry”) @ 20°C	≤ 24 hrs
Adhesion strength (“pull-off” test)	3.7 MPa
Material consumption	0.3-0.5 kg/m <sup>2</sup> per layer (depending on the surface roughness)

RECOMMENDED APPLICATION CONDITIONS*	
Surface preparation	Concrete: vacuum shot blasting, grinding Metal (steel): abrasive shot blasting
Temperature (surface, material & ambient air)	+10°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™ PRE-215 within specification.

RECOMMENDED APPLICATION PROCEDURE*
The product is delivered in 2 component containers in the exact mixing ratio. Before starting the application, the material must be stored indoors until the ambient temperature (the temperature of the air and the substrate) is reached. Mix component A thoroughly and add the contents of component B. Mix again with an electric mixer at low speed (300-400 revs/min) for at least 3 minutes until the mix is completely blended.
The inclusion of air in the stirring process is to be avoided. If used as a primer for substrates with humidity up to 4 CM% <b>COATLOK™ PRE-215</b> is applied only once using a spatula and roller afterwards. For concrete substrates with increased humidity of 4-6 CM% <b>COATLOK™ PRE-215</b> has to be applied twice, using a spatula or squeegee. It should be particularly ensured that a film-forming surface is obtained. The second layer can be rolled with a short pile roller usually 15-16 h after the application of the first layer. To improve inter-layer adhesion the wet primer layer can be slightly broadcasted with silica sand (0.3-0.8 mm) over the entire area (consumption approx. 800 g/m <sup>2</sup> ).

**General Requirements:** Substrate must be at least 5°C above dew point, with a maximum relative humidity of 75%. 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 -20°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.