



## Processing Instructions

# NewPro Long-Term Coating RK CCS for Metals, Painted & Powder-Coated Surfaces

### Product Description

- clear, colourless liquid based on silanes
- contains solvents
- abrasion-resistant
- corrosion-resistant
- high impact strength

### Intended Use

#### **NewPro Long-Term Coating RK CCS**

- is especially suitable for the dirt and water repellent sealing of non-absorbent materials in indoor and outdoor areas
- is extremely abrasion-resistant
- produces an invisible protective coating
- is resistant against sea water and salty air
- is delivered ready-for-use
- is very reactive and resistant to a great number of various organic solvents
- treated surfaces stay clean longer and are much easier to clean
- protected surfaces reduce the cleaning and maintenance costs for the surfaces

### Instructions for Use

**NewPro Long-Term Coating RK CCS** can be used on the following metals:

- ferrous metals (steel)
- non-ferrous metals
- galvanised (zinc-plated) metal surfaces
- powder-coated surfaces

**NewPro Long-Term Coating RK CCS is of great advantage in many commercial areas:**

- Armed Forces (ships, aircraft, tanks, ...)
- Steel Industry (bridges, steel constructions, equipment and machinery, ...)
- Oil Industry (pipelines, drilling-rigs (platforms), connection parts, ...)
- Boat- and Shipbuilding



- Automotive Industry (engine construction, body-work, surface protection, ...)
- Train and Railroad Industry (engine construction, rail manufacture, surface protection, ...)
- Aviation Industry (turbines, wings, surface protection, ...)
- and a great deal more...

**NewPro Long-Term Coating RK CCS** is used undiluted. The amount of coating to be applied (10-25ml/m<sup>2</sup>) is very much dependant on the surface condition and on the application method used. It should be tested in advance before actual application.

The surfaces to be coated must be absolutely clean (degreased, dry, and free of loose particles) before the coating is applied.

The ambient temperature and the liquid temperature should be between +5°C and +35°C during application.

**NewPro Long-Term Coating RK CCS must** not come into contact before or during application with water and therefore must not be applied in rain.

## Processing Instructions

NewPro Long-Term Coating RK CCS is applied by hand or by spraying. To achieve the best results we recommend the following procedure:

### 1. Cleaning

Ultrasonic cleaning, respectively de-greasing of the material.

### 2. Application

- Application by hand: spread with a soft cloth (e.g. made of cotton)
- Application by spraying: spray until a thin layer is visible

#### Spray Application:

- Spray pressure about. 2 bar
- Spray Nozzle < 1mm
- Several thin layers with a lean adjustment

### 3. Drying

The surface of the coating is dry after about 60 minutes drying at room temperature. Complete hardening is achieved after about 7 days at room temperature. Alternatively the workpiece can be bake-dried at 200°C for 1 to 2 hours.

All tools used (spray gun, cloths etc.) have to be cleaned and dried before use. The re-use of them is only recommended after thorough cleaning.

After use, tools can be cleaned with universal thinners and dried with a cloth.

## Function

**NewPro Long-Term Coating RK CCS** reacts with the surface of the material and forms an abrasive-resistant coating and has very high adhesive properties on metal. An ultra-thin,



transparent coating with high impact strength is formed. **NewPro Long-Term Coating RK CCS** is resistant against alkalis and corrosion.

The treatment with **NewPro Long-Term Coating RK CCS** does not require a chromate conversion layer of the substrate and, according to the Ordinance on Hazardous Substances, is free from chrome and lead. A test has to be carried out on a test area to establish the exact amount of the product necessary for each project.

## Product Safety

Information about the classification of the product within the frame of the Ordinance on Hazardous Substances, safety data and data with reference to the toxicology and storage can be read in our Data Safety Sheet.

## Storage

### **NewPro Long-Term Coating RK CCS**

- Must not come into contact with moisture
- Storage temperature of the material: < 20°C.

**NewPro Long-Term Coating RK CCS** has a shelf life of 24 months if stored in its original closed container.

**Important Note:** Our information is based on today's knowledge, experience and to the best of our knowledge. We give this information however without any liability or obligation. We reserve the right to carry out changes within the frame of technical improvement and operational development. Our information describes solely our products and performance and it does not denote a guarantee. The purchaser is not freed from the necessity of a detailed examination of the function resp. the use of the product by qualified personal. This is also valid in respect of the property rights of third parties. The mention of trade marks or names of other companies is not to be considered as a recommendation and does not exclude the use of other similar products.