

## Product Data Sheet

### NewPro Nano-Lacquer for Mega-Protection

#### Roomtemperature curing non-stick system for process optimization

##### Product Description

With the help of the nano-technology modified ambient temperature-Hardening PU-lacquer with non-adhesive characteristics. Mixing proportion: Component A 4,5: 1 component B.  
Consumption: With spraying application approx. 50-70 ml/m<sup>2</sup>.

NOTE: Explosion protection and respiratory protection with processing necessarily!

Drying process and hardening: Processing with at least + 5%

Application: Spray, paint, dip

Gross density: A: 0,915 kg/Liter, B: 1,07 kg/ Liter

<b>Main areas of application:</b>	Protection of metal surfaces for industrial plant components. Coated aluminum and stainless steel surfaces are easier to clean free of printing ink and lacquer stains. Further applications include removal from production mould in the processing of plastics.
<b>Material Basis:</b>	Modified Solvent-Based Polyurethane Matrix.
<b>Color:</b>	Clear to Yellow (Transparent when Dry).
<b>PH-Values:</b>	Neutral.
<b>Package Sizes:</b>	6-L-White Tin Can (5.0 kg), 30-L-Hobbock (20.00 kg)
<b>Storage:</b>	Minimum of 12 months at a temperature between 5 degrees Celsius to 35 degrees Celsius when stored in tightly sealed original container. Protect against frost and higher temperatures. In the event of storage beyond expiration date, test the material prior to use. Tightly air seal opened containers to preserve product life. Ensure sufficient ventilation in product storage areas.
<b>Preparation/Mixture:</b>	2-Part System: Mix 4.5 part of Component A (basis) with 1 part Component B (hardening agent). Thoroughly stir. Pot-life 3-4 hours at room temperature.
<b>Application:</b>	Apply with spray, dip coating, or brush until a thin coating becomes visible.
<b>Application Temperatures:</b>	Apply product at air and object surface temperatures between 5 degrees Celsius and 35 degrees Celsius. Product is dust-dry within 2 hours and resistant after 2 days. Thermal hardening requires approximately 1 hour at 80 Degrees Celsius. Maximum thermal resistance is 150 Degrees Celsius. Variations from these external conditions could influence the hardening time.

**Use and**

By spray application apply approximately 50-70 ml/m<sup>2</sup>.

**Application:**

**Safety & Protective  
Measures:**

During application and use, carefully follow the instructions and safety precautions on the package label as well as the pertinent safety and accident instructions of appropriate occupational and trade associations. For further detailed instructions, see safety data sheets.

**Cleaning of Tools:**

Clean tools using alcohol/thinner.

**Improvements  
& Second Coatings:**

Coating improvements are not possible. New coatings: abrasive finishing of the Nano-E2C 106 coating after hardening. Prior to hardening, the lacquer can possibly be scraped or rubbed off using thinner.

**Cleaning of  
Coated Surfaces:**

Use customary household cleaners. Avoid: strong abrasive alkaline cleaners.

**Disposal of  
Waste/Remains:**

Dispose of material residues according to local and /or state regulation for paints and lacquers.

**Technical  
Data:**

Salt Spray (DINN EN ISO 9227 NSS): 1000h  
CASS (DIN EN ISO 9227 CASS): 240h  
Weathering (DIN EN 4892-3: 500h  
4h UV-B 60 Degrees: 4h  
Water condensation 50 Degrees C).  
Climate Change DBL 7906: 15 min 10 Cycles  
23 Degrees C, 4h -30 Degrees C;  
15 min 23 Degrees C: 4h 80 Degrees C;  
30 min 40 Degrees C 98% rel. humidity.  
Acid/Base Resistance: pH 1 to pH 12  
Pencil Hardness: B  
Tabertest (CS10 F Roll; 17 mg  
1000 rotations per minute:  
Temperature Resistance: Continuous up to 150 Degrees C.  
Surface Energy: 17 MN/m