

## Product Data Sheet

### NewPro-Therm +200

#### Product Description

NewPro-Therm +200 is a special one-component covering coat based on modified hydrocarbon resin for high-temperature range, it is heat resistant between +150°C to +400°C. NewPro-Therm +200 is suitable as covering coat for hot pipework, chimneys, machinery and installations indoors.

#### Technical information

Density (DIN 53217/+20°C):

- ca. 0,99 g/ml.

Solid body:

- Volume: ca. 43%.

VOC-Value:

- approx. 485 gr./Ltr.

For further information see product data safety sheet.

#### Processing Instructions

Surface Pre-treatment:

Surfaces must be clean, dry, and stable. Remove weathered, cracked and not completely adhering layers. If necessary use suitable primer according to tailored specifications. Blasted steel, degree of purity Sa 2 ½ (ISO). For smaller repairs also metallic pure ground steel suitable. Rework existing, strongly adhering old layers after appropriate surface treatment and check of adhesion/compatibility.

Note:

The quality of the coating depends on various conditions, e.g. surface pre-treatment, weather conditions during application, precipitation hardening as well as diligence when processing and applying coating. The carrying capacity and adhesion of old coatings has to be checked in a test coating before applying product.

Mixing instructions

NewPro-Therm +200 can be processed directly

If necessary dilute NewPro-Therm +200 in the ratio stated on the package with NewPro-SOL special dilution (spray dilution for synthetic resin coatings for selected products).

#### Application Instructions

Application

Stir NewPro-Therm +200 before usage diligently using a suitable mechanical stirring gear.

Equipment must be clean to avoid that even minor soiling or residual moisture on the equipment will impair the result of the application. Apply NewPro-Therm +200 using a brush, roller, airless sprayer or pressurized airless in the delivered viscosity. The advised dry layer thickness is 20 – 30 µm.

If necessary dilute with NewPro-SOL special dilution (spray dilution for synthetic resin coatings for selected products).

**Mechanical processing:**

NewPro-Therm +200 can be processed with a conventional spray/airless equipment. Please observe the recommendations:

**Pressure-nozzle:**

- injection pressure 3,0-4,0 BAR
- Nozzle 1,0 –1,5 mm spray pressure
- Spray / Airless Spray
- pump compression 1:60
- injection pressure 100- 120 BAR
- Nozzle 0,18 –0,23 mm

**Note for mechanical processing:**

Arrange for dry air pressure while spraying. If necessary use water separator.

**Caution:**

Use in ventilated areas or outdoors only.

**Consumption:**

- Approx. 17,2 m<sup>2</sup>/Ltr. at a dry layer thickness of 25 µm

These figures apply to spray application only.

The exact consumption has to be calculated from a test application at the object.

## **Processing Conditions**

Processing and desiccation can be done at a surface and environment temperature of min. +5°C and max. +30°C. Humidity should not exceed 85%. Observe dew-point. During desiccation, protect boat hull against rain and direct solar radiation.

**Caution:**

Only use in ventilated areas or outdoors.

## **Conditions for Application**

**Desiccation time:**

T [°C] min. Intervall [h]

+5°C 24 h

+10°C 10 h

+20°C 4 h

+30°C 2 h .

Desiccation time depends on temperature and relative humidity.

**Cleaning of Tools:**

- Clean immediately with water, use detergent (cleaning agent) if necessary.

### Quality of Coating

The quality of the coating depends on various conditions, e.g. surface pre-cleaning, weather conditions during application and desiccation, as well as diligence during preparation and application of the coating. High pressure cleaning will deliver best results according to DIN 55928, part 4 respectively DIN ISO 12944-4, standard grade of cleanliness SA 21/2. The carrying capacity and adhesion of old coating must be checked with a test coating. Remove weathered, cracked and not completely adhering coats before applying product.

When using 2-pack products the hardener has to be added to the base in the correct mixing ration. Base and hardener to be mixed carefully, preferably with mechanical equipment. After mixing fill product in an empty and clean pail and stir again. Use only clean equipment. Also small contaminations and remaining humidity on the equipment may influence the result negatively. Generally, product should be stirred carefully with mechanical equipment before use. Equipment must be clean to avoid that even minor soiling or residual moisture on the equipment will impair the result of the application. Arrange for dry air pressure while gun spraying. If necessary use water separator.

### Form of Delivery

#### Packaging Unit

- 5 Liter tin can with re-sealable closure

#### Color:

- Shade: (aluminium) see lid. Shade may vary slightly

#### Other Advice:

#### Transport:

- No labelling, no hazardous material

#### Storage:

- Storable 12 months at +20°C in closed original container
- Close once opened containers tightly and use immediately

#### Disposal:

- Recycle only completely empty containers
- Dispose of product residue at local waste management facilities
- Do not dispose into the canalization or other sewer systems

### Work Hygiene

Wash hands thoroughly prior to breaks and after using product. Do not eat, drink or smoke while working with the product. Avoid skin and eye contact. If necessary, wear protective safety clothing.

For further information, please refer to the product safety data sheet for this product.

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## **Safety Precautions**

Keep away from children. Keep containers sealed tightly closed. In the event of eye contact, immediately flush eyes out with lots of clean water. In the event of skin contact, wash skin thoroughly with water and soap. Do not use any solvents or cleaning agents with the product. If necessary seek medical advice. Do not smoke during application and use. If swallowed seek immediate medical advice and show the packaging or product label to the treating physician.

For further instruction, please refer to the product data safety sheets for the product.

## **Safety and Protective Measures**

The general protective measures for water-soluble materials are to be taken. The technical advice regarding the use and application of our products is the result of extensive research and development as well as many years of experience, according to the best of our knowledge. The different kinds of requirements of an object, under varying conditions, make it necessary for the user to check the suitability for the intended purpose. We reserve the right to effectuate changes, which serve to affect the technical advance or improvement of our product.

For further instruction, please refer to the product data safety sheets for the product.