



# AURO

## NATURAL PAINTS

### Technical Data Sheet

## AURO Radiator Paint silk mat No. 257

### Type of material / application

Silk mat water thinnable radiator lacquer for indoor paint coatings on steel and cast iron radiators. Thermally stable up to about 70°C, unsuitable for steam radiators.

### Composition

Binder resin from sunflower oil, castor oil, rosin glycerol ester (partly as ammonium soap), mineral pigments and fillers, water, surfactants from castor and rape oil, lecithin, methyl cellulose, xanthane, borates, silicic acid, Ca/Co/Zr dry materials (lead free). Our full declaration is authoritative.

### Colour hue

White.

Toning is possible with AURO covering lacquers No. 250\* and No. 260\* taking into consideration a change of gloss grade. Added quantity up to 10%; the typical characteristics for radiator lacquers change with toning exceeding 10%. We give no warranty for colour hue and durability of the paint coating for mixtures prepared by the user to obtain the desired colour hue.

### Application procedure

Paint (with paintbrush: Plastic or mixed fibre bristles, e.g. Chinex(R), Orel or Orel-Mix), roll (e.g. with fine pore foam plastic roller or short pile lacquer roller) or spray.

Spraying	High pressure	Fog reduced (HVLV)	Airmix
Nozzle diameter	1.5 - 2.0 mm	1.0 - 2.0 mm	as specified by equipment manufacturer
Air pressure	3-5 bar	2-4 bar	as specified by equipment manufacturer

### Drying time in normal climate (20 °C / 60% relative humidity)

- Dust dry after about 9 hours. Dry and can be reprocessed after about 24 hours. Completely dry after about 3-5 days.
- Considerable drying delays in high relative humidity, at low temperatures and when excessive amounts have been applied.
- Among other effects, drying takes up oxygen, therefore provide adequate air circulation while drying.

Density	1,28 g/cm <sup>3</sup>	Hazard class: not applicable
Viscosity	Approx. 35 seconds (DIN 6 mm) at 20 °C.	
Thinner	Adjusted ready for use, can be thinned with water up to max. 20%.	
Consumption	Approx. 0.09 l/m <sup>2</sup> per coating, can vary depending on application method, surface quality and substrate. Determine exact consumption on object.	
Tool cleaning	Paint-out work utensils and thoroughly wash-out with warm water and AURO plant soap No. 411* immediately after use. Remove strongly adhering product residues by prolonged soaking of the work utensils in 5% soap solution. Then rinse thoroughly with water.	
Storage stability	At least 12 months at +20 °C in unopened containers. Store cool but frost-free.	
Packing material	Tin plate. Completely emptied containers can be returned to tin plate recycling.	
Disposal	Compost dried product residues or dispose of in domestic garbage. Return empty tins for metal recycling. Liquid residues: EAK Code 200112, EAK designation: Paints.	
Safety advice	<b>Used cleaning rags can ignite spontaneously (due to the drying oils content), therefore make sure that they are left to dry spread out, or keep in tightly closed sheet metal container. Keep the product out of reach of children.</b>	

### Instructions for processing

- Tested according to DIN EN 71 Part 3, safety of toys; tested according to DIN 53160, resistance to saliva and sweat.
- Processing temperature must be at least 15 °C; stir the product well before use.
- It is essential to avoid direct solar radiation and moisture during processing.
- Use only adhesive tapes which are compatible with the product.
- Pure white paint coatings on thermally stressed surfaces with slight incident light may acquire a slight yellow tinge of the surface.
- For optimum protection it is advisable to check the surfaces regularly and to touch-up damaged places.

# Technical recommendations for application

## AURO Radiator Paint silk mat No. 257

### *1. SUBSTRATE*

**1.1 Suitable substrates:** Steel and cast iron radiators and their connecting pipes.

#### **1.2 General substrate requirements**

The substrate must be firm, flat, chemically neutral, dry, free from grease, clean and free from breaking-through ingredients.

### *2. PAINT COATING BUILD-UP(FIRST PAINTING) FOR RADIATORS PRIMED IN THE FACTORY ACCORDING TO DIN 55900*

#### **2.1 Substrate preparation**

- Before treatment, clean and carefully grind with suitable abrasives (emery paper, grinding glove with pads), and remove dust completely;
- Protect venting valves, screw fittings, etc. completely with adhesive tape material;
- Completely remove any rust;
- Check the primer for adhesion by painting a test area, especially when using highly cross-linked stove or powder lacquer primers;
- Do not use any rust converters.

#### **2.2 Basic treatment**

- Prime damaged and bare de-rusted locations with AURO rust protection primer No. 234\* (max. temperature stress 70 °C)
- After drying, carefully grind intermediately with fine grade sandpaper (grain 220) or a grinding pad, taking care not to damage the edges. Remove dust completely.

#### **2.3 Intermediate treatment**

- Apply one coat of AURO radiator paint No. 257 uniformly, thereby making sure that the edges are covered well.
- Grind intermediately after drying and then remove dust.

#### **2.4 Final treatment**

- Apply 1 or 2 coats of AURO radiator paint No. 257.

### *3. PAINT COATING BUILD-UPFOR RENOVATION PAINTING*

#### **3.1 Substrate type: Damaged old paint coating (repair)**

##### **3.1.1 Substrate preparation**

- Completely remove paint coating sections unable to support new paint.
- Check existing substrates and paint coatings for adhesion and compatibility.

##### **3.2 Substrate type: Intact old paint coating (maintenance)**

**3.2.1 Substrate preparation:** Thoroughly clean the surface, grind and remove dust.

**3.2.2 Basic treatment:** Basic treatment is not necessary for intact old paint coatings.

**3.2.3 Final treatment:** Same as described under 2.4.

### *4. CLEANING AND CARE*

Clean surfaces either with lukewarm water alone, or using AURO lacquer and glaze cleaner No. 435\*. Do not use any alkaline solutions (such as ammonia/ammonium chloride or soap suds), solvents or strongly scouring abrasive scrubbing or cleaning materials.

\* See the corresponding technical data sheets.

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