

AURO Radiator paint No. 257

Type of material

Environment-friendly, water thinnable, opaque coating for indoor.
Medium gloss, solvent-free, consistent selection of ecologically friendly raw materials.

Intended purpose

For steel and cast iron radiators. Thermally stable up to about 70°C, unsuitable for steam radiators.

Technical properties

- Tested in accordance with DIN EN 71 Part 3, "Safe for toys".
- Tested in accordance with DIN 53160, "Saliva-proof and sweat-proof".
- Acc. to EN 13300: Abrasion Class 1, Covering Characteristic Class 3 at consumption level of approx. 0.08 l/m² (=approx. sufficient for 12.5 m²/l).

Composition

Water, titanium dioxide, sunflower oil*, colophonium-glycerine ester with organic acids*, mineral fillers, surfactants made of rapeseed- and castor oil, dryers (cobalt-free), castor stand oil, linseed oil*, *as amino soap, cellulose, fatty acids.
Natural products are not odour- nor emission-free. May cause allergic reactions. See the current full declaration on www.auro.de.

Colour shade White. Toning is possible with AURO paints No. 250* and No. 260*.

Application method Paint with AURO wood stain brush.

Spraying method	Air coat	High pressure	HVLP
Air pressure	as specified by equipment manufacturer	3-5 bar	2-4 bar
Nozzle diameter	as specified by equipment manufacturer	1,0-2,0 bar	1,0-2,0 bar

Drying time in normal climate (20 °C / 65% relative humidity)

- Dust dry after about 10 hours. Dry and can be re-coated after about 24 hours. Completely dry after approx. 3-5 days.
- Considerable drying delays in high relative humidity, at low temperatures and when excessive amounts have been applied.
- Drying is a process requiring a take-up of oxygen, therefore adequate air circulation must be ensured.

Density 1,23 g/cm³.

Viscosity Approx. 30-60 seconds (DIN 6 mm) at 20 °C.

Thinner Adjusted ready for use, can be thinned with water up to max. 20%.

Consumption rate 0,07 - 0,09 l/m² per coating, corresponds to approx. 70-90 µm wet layer, on smooth, evenly absorbent substrates. Consumption rates depend on substrate, processing method, surface quality. Determine exact consumption on sample.

Cleaning of tools Immediately after use, brush out the product residuals from the tools. Wash with water and AURO Plant soap No. 411*. Remove stubborn product residues by soaking the tools for longer periods in soap solution or with AURO Orange oil No. 191* and rinse thoroughly with water to which AURO Plant Soap No. 411* has been added. Experience has shown the effectiveness of rubbing AURO Plant soap No. 411* into brushes, rollers, etc., then putting them into storage and rinsing them thoroughly with water prior to the next application.

Storage Cool, frost-free, dry in a closed container, out of reach of children.

Storage stability In unopened container 12 months.

Packing material Tin plate.

Disposal Liquid residues: EWC code 080112, EWC designation: Paints. Return only containers emptied completely and containing dried product residues for recycling. Dispose of only dried product residues, either as dried paint or with household waste.

Attention Danger of self-ignition of drying oils. Consequently, do not crumple used cleaning cloths and the like. Spread them out in a smooth manner so that they can dry or store them in an air-tight closed metal container. Product code: M-DF 03 Natural resin paints, solvent-free. Normal protective measures must be taken, e.g. protect skin from contact and ensure sufficient ventilation during processing and application. See Safety Data Sheet and Technical Data Sheets*.
EU-VOC limit value 2004/42/EG II A (dWb) 130 g/l (2010), product-VOC < 10 g/l.

Technical recommendations for application

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1. SUBSTRATE

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

1.2 General substrate requirements

The substrate must be clean, load-bearing, free of separating or bleeding-through substances.

2. COATING SYSTEM

2.1 Substrate preparation

- Clean, pre-treated substrates grind carefully with suitable abrasives (emery paper, grinding pads), be careful not to destroy edges; remove dust completely.
- Protect venting valves, screw fittings, etc. completely with adhesive tape material.
- Completely remove any rust; do not use rust converters.
- Check the surface for adhesion by painting a test area, especially when applying on pre-painted radiators.

2.2 Basic treatment

Prime damaged and bare de-rusted spots with AURO rust protection primer No. 234*.

2.3 Intermediate treatment

Apply thinly AURO No. 234* on de-rusted spots.

2.4 Final treatment

Apply at least 2 coats of AURO radiator paint No. 257. Be sure to cover the edges properly.

4. CLEANING AND CARE

Clean surfaces with lukewarm water and 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.

REMARKS

- Always wear protection mask while carrying out grinding work.
- Avoid direct exposure to sunlight, moisture influences and dirt while the coat is drying.
- Application temperature at least 10 °C, max. 30 °C, max. 85% rel. humidity; optimal 20-23 °C, 50-65% rel. humidity.
- Stir the product thoroughly prior to application. Product of varying batches must be stirred together before application.
- Tinting by use of AURO Gloss paint No. 250* or AURO Matt silk paint No. 260* change the properties of the Radiator paint. Own mixtures at own risk.
- Each coat must be speedily applied in conformity with the given coating composition and only after each coat has completely dried.
- It is recommended to carry out a light grinding between each coating; grind only after full drying, using fine sand paper (grit 220) or abrasive pad, depending on und substrate and surface; finally remove the dust.
- Product-typical after-yellowing must be taken into account.
- Only use adhesive tapes that are compatible with the products.
- The product remains elastic, soft, and is resistant to load only with limitations. The product is not fully resistant to cracks and scratches.
- All coating work must be adapted to the object and its use. The general state of the art is to be considered.

* See respective Technical Data Sheets.

The Technical Data Sheet gives recommendations and examples of possible use. No liability or other legal responsibility can be derived. Use of the advice does not create any legal relationship. The information provided is based on our present knowledge and does not exempt the user from his personal responsibility. The respective state-of-the-art practices must be observed when implementing coating work and the required preparations. The conditions on site and the product's suitability must be checked appropriately and professionally. With publication of a new edition this technical data sheet is no longer valid. Status: 02.05.2012 technical data | 14.08.2013 full declaration