

# Kupferlack

- Copper Enamel -  
**Exterior and interior**  
**Weatherproof Metallic Effect Enamel**

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## General Description

Type of material:	alkyd resin enamel
Range of uses:	for rust-inhibitive coatings on iron and steel
Product properties:	Copper Enamel is weatherproof and metallic silk-gloss.
Colour shades:	Copper and Old copper
Packaging sizes:	125 ml, 375 ml, 750 ml

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## Technical Data

Binder base:	alkyd resin
Pigment base:	genuine copper pigment, whereby weathering provides for a natural darkening.
Density:	ca. 1,050 – 1,080 g/cm <sup>3</sup>
Degree of gloss:	metallic silk-gloss
Tinting colours:	May be tinted to max. 5 % tint concentrate
Viscosity:	slightly thixotropic, supplied ready for use
Thinner:	turpentine substitute, max. 5 %
Processing temperature:	substrate and ambient temperatures may not fall below +5 °C. Temperatures below + 5 °C and / or air humidity above 80 % can lead to troubles in film formation.
Drying:	(23 °C 60 % rel. air humidity) dust-dry: 6 – 8 hours re-coatable: after overnight drying through-dried: after 24 hours The values can fluctuate considerably depending on temperature and air humidity.
Spreading rate:	ca. 13 - 15 m <sup>2</sup> /l per coat

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**Method of processing**

Substrate preparation: The substrate must be portative, dry, clean and free of rust and separating substances (oil, grease, wax).  
Iron and steel to be carefully derusted and cleaned. Surface preparation grade SA 2 ½ according to DIN EN ISO 12944.  
Stainless steel to be ground matt and cleaned.  
Aluminium (non-anodized) to be ground, cleaned (see BFS No.6) and immediately coated.  
Zinc substrates to be degreased by means of an ammoniacal wetting agent (see BFS No. 5). Whitish corrosion products to be completely removed. In special cases, a blasting (sweeping) may be necessary. You can carry out the required wetting agent procedure using our Jansen Metal Cleaner (observe the instructions in the technical data sheet).  
Hard plastics (Resopal, Bakelite, hart-PVC) to be washed off Dissolving behaviour to be determined by means of test field. If the cleaning agent is compatible with the plastic, the entire surface is cleaned by washing and then finely sanded (grain size 240 – 320).  
Wood interior sand and clean.  
Old coatings Coatings based on acrylate may not be painted over with Jansen Copper Enamel.  
Alkyd resin coatings to be checked regarding adhesive strength by means of cross-cut and knife test (VOB, part C, DIN 18363). Intact old coatings to be carefully sanded and cleaned. Damaged and flaky coatings to be completely removed.

The preparation of the substrate and painting must be scientifically and technically state of the art. Please also take note of the current BFS data sheets and the VOB (German Construction Contract Procedures), Part C, DIN 18363 Painting and Coating work.

Application: Copper Enamel is supplied ready for use and can be diluted, depending on application, with max. 5 % turpentine substitute.

Iron and steel exterior: 2 x Jansen R

1 – 2 x Jansen Copper Enamel

interior: 1 x Jansen Rust Primer

1 – 2 x Jansen Copper Enamel

Zinc substrates: 1 – 2 x Jansen Multiprimer GH or Jansen Ultra Primer

1 – 2 x Jansen Copper Enamel

Hard plastics: 1 – 2 x Jansen Multiprimer GH or Jansen Ultra Primer

1 – 2 x Jansen Copper Enamel

In order to avoid a staining (brass abrasion) of the interior coatings, the surface can be sealed with Jansen Finishing Paint. In order to avoid a natural darkening of exterior coatings, Uni Sealer or Jansen Finishing Paint can be applied.

**Only same batch to be used on a surface.**  
**Stir well before use.**  
**Before processing, carry out trial coating.**

Methods of application:

brush: use brush with natural bristles.roller: use roller with short-pile mohair roller.spray:

Airless: Pressure ca. 160 bar

Nozzle: 0,28 – 0,33 mm – 0,011 – 0,013 inch

Aircoat: Pressure 80 – 100 bar, Air 1 – 1,5 bar

Nozzle: 0,28 – 0,33 mm – 0,011 – 0,013 inch

High Pressure: Pressure 3 – 5 bar

Nozzle: 1,5 – 2,0 mm

Fine Coat: Pressure ca. 0,48 bar

Nozzle: 1,8 mm

Cleaning your tools:

with turpentine substitute

Storage:

Cool, dry and protected against frost. Seal opened container well and briefly turn upside-down.

VOC-Value:

EU threshold value (Cat. A/i):

500 g/ VOC.

This product contains max. 500 g/l VOC.

**Identification Marking:**Please take note of our updated Safety Data Sheet available on the Internet at [www.jansen.de](http://www.jansen.de)

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The technical information was compiled in accordance with the latest state of the art. An obligation for the general validity of the individual recommendations cannot, however, be accepted as the application and processing methods do not lie within our influence and the varying states of the substrates each require a decision as to the method of working suitable for workman and trade. The recommendations do not release the customer from the task of accepting responsibility for checking the products of the supplier company as to their suitability for the foreseen use. Applicable are the "General Terms and Conditions of Delivery and Payment in the Paint Industry" in the recommendation approved by the Federal Cartel Office (Bundeskartellamt) on 1. Januar 2018. On publication of this data sheet, all previous data sheets for this product become invalid.

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