

Capalac Kunstharz-Klarlack gloss & silk-matt

Transparent finishing coat for wood, metal and enamels/varnishes.

Product Description

Field of Application

Indoors:

For finishing coats on untreated and varnished or lacquered wood surfaces. As a transparent coating on iron, steel, aluminum (not anodized) and copper. (Caution: No corrosion and oxidation protection!)

Outdoors:

For additional transparent coatings on varnished or lacquered, dimensionally stable wood surfaces.

For Interior and Exterior Use:

Used for additional transparent finishing on suitable enamel/varnish coatings (e.g. Capalac Dickschichtlack Glimmer / Mica), providing a higher mechanical resistance, better cleaning properties and weather resistance. For extensive (large/seamless) interior surface coatings the use of Capadur Parkett- und Siegellack (parquet lacquer & sealer) is recommended, due to an appearing odour, typical for alkyd resin enamels.

Material Properties

- Free of aromatic hydrocarbons.
- Excellent application properties.
- For versatile use.
- Excellent flow.
- Resistant to normal household detergents and short-time resistant to weak acids and alkalis.

Material Base / Vehicle

Alkyd resin, solvent-based, free of aromatic hydrocarbons.

Packaging/Package Size

375 ml, 750 ml, 2.5 l

Colours

Transparent.

Due to a slightly yellowish shade of alkyd resin a minor change in colour may occur, when applied on white or colourful surfaces.

Gloss Level

Gloss, silk-matt (mid sheen)

Storage

Keep in a cool place.
Keep the packaging tightly closed.

Technical Data

- Density: Approx. 0.91 g/cm³

Suitability according to
Technical Information No. 606
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
○	○	○	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				



Application

Suitable Substrates

Indoors: Coated and uncoated wood construction elements.
 Iron, steel, aluminum, copper in interior areas, without any risk of corrosion and oxidization effects.
 Outdoors: Glazed/stained or painted, dimensionally stable wooden parts (do not use as a transparent coating on exterior wood, there is no UV protection).
 Interior and Exterior: Alkyd resin enamels and Capalac Dickschichtlack. Do not use for parquet floors.

The substrate must be clean, sound/stable, dry and free from all substances that may prevent good adhesion. The moisture content (WMC) must not exceed 12 % for hardwood and 15 % for softwood, on an average.

Substrate Preparation

Wooden Parts:

Sand the surface in fibre direction, clean thoroughly, remove all seeping wood contents, e.g. resin/rosin and resin-galls (pitch/resin pockets) and cut sharp edges (see BFS Data Sheet No. 18).

Metals, interior:

Derust iron and steel. Remove all oxidation products and clean aluminium and copper thoroughly with diluent for cellulose lacquers (nitro-thinner).

Varnished Surfaces:

Sand/grind with plastic abrasive pad/non-woven web (not necessary when using glimmer colours), then clean the surface.

Method of Application

Capalac Kunstharz-Klarlack can be applied by brush, roller or spraying equipment. The product is ready-to-use for brush application. For Aircoat spray application, heat up the material before use (TempSpray).

Guideline for Spray Application:

	Ø Nozzle	Pressure	Thinning	Material Heating
Aircoat-TempSpray	0.009 - 0.013 inch	150 bar	–	35 °C

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Wood, derived materials	interior	sanding, cleaning	–	Capalac Kunstharz-Klarlack	if necessary Capalac Kunstharz-Klarlack	Capalac Kunstharz-Klarlack
Dimensionally stable wooden parts	exterior	see BFS-Data Sheet No. 18	Capalac Holz-Imprägniergrund	Capadur UniversalLasur or F7-LangzeitLasur, pigmented	1–2 x Capadur UniversalLasur or F7-LangzeitLasur, pigmented ¹⁾	
Iron, steel, copper, aluminium	interior	derusting, sanding, cleaning	–	Capalac Kunstharz-Klarlack	–	
Alkyd resin lacquers (enamel varnishes), Capalac Dickschichtlack	interior/ exterior	sanding (if necessary), cleaning	– ²⁾	–	–	

¹⁾ A sufficient UV protection must be provided by the pigmentation for glazes/wood stain. Capalac Kunstharz-Klarlack is no UV protection, it is only a transparent sealer.

²⁾ Pre-treat defects in existing coatings according to substrate requirements.

Note: Adhesion must be tested in advance for powder coatings, coil coatings and other critical/problematic substrates by trial coatings (test area) on site.

Consumption

	Brush/roller application	Spraying
Consumption ml/m ² per coat	80 - 100	140

These reference values for consumption may vary, depending on nature and condition of the substrate. Determine the exact amount of material required by coating a test area on site.

Application Conditions

Lower Temperature Limit for Application and Drying:

Min. 5 °C for product, ambient air and substrate.
 Relative humidity must not exceed 80 %.

TECHNICAL INFORMATION NO. 035

Drying/Drying Time

At 20 °C and 65 % relative humidity	Dust dry	Dry to handle	Recoatable (brush)	Recoatable (spray)
Hours	4	8	16	12

Lower temperatures and higher humidity extend the drying times.

Tool Cleaning

Immediately after use with white spirit or turpentine substitute.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Gloss:

Flammable liquid and vapour. Repeated exposure may cause skin dryness or cracking. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Contains: butanone oxime. May produce an allergic reaction.

Silk-matt (mid sheen):

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Store in a well-ventilated place. Contains: butanone oxime. May produce an allergic reaction.

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.

EU limit value for the VOC content

of this product (Kat. A/e): 400 g/l (2010). This product contains max. 400 g/l VOC.

Giscode

BSL40

Substances of Content - Declaration

Alkyd resin, silicates, aliphatic hydrocarbons, anti-skinning additive (butanonoxime), additives

Further Details

See Material Safety Data Sheet (MSDS).

Customer Service Centre

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.035 · Capalac Kunstharz-Klarlack gloss & silk-matt · Issued: February 2019