

Capalac Hochglanz-Buntlack

High gloss, coloured alkyd resin lacquer.
Free of aromatic hydrocarbons and siloxane modified.

For exterior and interior use.



Product Description

Field of Application

High-quality coloured paint/top-coat lacquer for finishing gloss coats on dimensionally stable wooden component parts, metals and unplasticized (rigid) PVC, in exteriors and interiors. Also suitable for use on hot water radiators with the exception of white colour shades.
Due to a material typical odour of alkyd enamels (alkyd resin varnishes), it is advisable to use Capacryl PU-Gloss for top coats on large, seamless interior surfaces instead.

Material Properties

- Non-aromatic solvent (free of aromatic hydrocarbons).
- Excellent colour stability and gloss retention.
- High gloss finished.
- Long open time.
- High stability (low sagging).
- Excellent opacity, high covering power on edges.
- High impact strength and shock resistance.
- Elegant and easy application.
- Fast-drying.
- Superior flow.
- Resistant to common household cleaning agents (detergents) and short-term resistance against weak acids and alkalis.

Material Base / Vehicle

Silicone alkyd resin, solvent-based, free of aromatic hydrocarbons.

Packaging/Package Size

Standard Colours:

125 ml, 375 ml, 750 ml, 2.5 litres

*not all standard colours are available in all package sizes.

ColorExpress:

375 ml, 750 ml, 2.5 litres, 10 litres

Colours

Standard Colours:

White (Weiß), RAL 3000, RAL 5010, RAL 6011, RAL 7001, RAL 7035, RAL 8017, RAL 9001, RAL 9002, RAL 9005 and effect colours RAL 9006 White Aluminium (Weißaluminium) and RAL 9007 Grey Aluminium (Graualuminium)

More colour shades can be tinted via ColorExpress (Capalac mix).

When applying colours with low opacity, like Red, Orange or Yellow, it is advisable to apply one priming coat using the matching colour shade of our Priming System. Priming System colours are available via the ColorExpress tinting technique for the following products: Capalac Hochglanz-Buntlack, Capalac AllGrund and Capalac Vorlack.

Note: A material typical yellowing effect may occur on the surface of white and light-coloured alkyd enamels (caused by low UV radiation, heat or chemical influences due to e.g. ammonia vapour from detergents, adhesives, paint or sealing compounds). This yellowing is no product defect and cannot be objected.



Colour Resistance according to BFS Data Sheet No. 26:

Binder: Class B

Pigmentation: Group 1 to 3, depending on the colour.

Gloss Level

High gloss

Storage

Keep in a cool place.

Keep cans/containers always tightly closed.

Technical Data

■ Density: Approx. 1.0 g/cm³, depending on the colour

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

Primed and pre-coated wood, metal and unplasticized (rigid) PVC.

Do not apply on anodized aluminium.

The substrate must be clean, sound/stable, dry, and free from all substances that may prevent good adhesion.

Max. permissible moisture content in dimensionally stable wood: 13 %.

Substrate Preparation

Roughening and cleaning the primed surface.

Method of Application

Guidelines for Spray Application:

	Ø Nozzle	Pressure	Thinning/Dilution	Heating of Material
Aircoat TempSpray*	0,009 - 0,013 inch	150 bar	-	35 °C
High Pressure (only suitable for RAL 9006 and 9007)	1.6 mm	2.5 bar	+ 10% Capalac PU hardener and up to 25-30 % AF- thinner, if necessary; viscosity DIN 4 mm: approx. 45 seconds	20 °C

* Unsuitable for metallic tints RAL 9006 and RAL 9007.

Application:

Capalac Hochglanz-Buntlack is applied by enamel paint brush, roller or spraying equipment. Stir well before use.

Aircoat spray application of material in delivered consistency is possible by heating (TempSpray).

Application of RAL 9006 and 9007:

An even surface can only be achieved with high-pressure spraying equipment, but sometimes a slight clouding/blushing effect may be noticeable, when the material is applied on large, seamless surfaces. Colour differences may occur, when different application methods are used.

10 % of PU hardener must be added to the material, when standard colours RAL 9006 and RAL 9007 are to be applied, because these two colour variations of the product are special 2-component enamels/varnishes.

Follow the safety advice in Technical Information No. 093 (Capalac PU Hardener).

TECHNICAL INFORMATION NO. 050

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing/Top Coat
Wood, derived materials	interior	sanding/cleaning	–	Capalac Vorlack	if necessary Capalac Hochglanz-Buntlack	Capalac Hochglanz-Buntlack
Wooden parts	exterior	BFS Data Sheet No. 18	Capalac Holz-Imprägnier-grund	Capalac Vorlack	Capalac Hochglanz-Buntlack	
Iron, steel	interior	derusting/cleaning	–	Capalac AllGrund	if necessary Capalac Hochglanz-Buntlack	
	exterior	derusting/cleaning	–	2x Capalac AllGrund	Capalac Hochglanz-Buntlack	
Zinc (galvanised substrates)	interior	BFS Data Sheet No. 5	–	Disbon 481 EP-Uniprimer or Capalac AllGrund	if necessary Capalac Hochglanz-Buntlack	
	exterior	BFS Data Sheet No. 5	–	Disbon 481 EP-Uniprimer or 2 x Capalac AllGrund	Capalac Hochglanz-Buntlack	
Aluminium	interior	BFS Data Sheet No. 6	–	Capalac AllGrund	if necessary Capalac Hochglanz-Buntlack	
	exterior	BFS Data Sheet No. 6	–	Capalac AllGrund	Capalac Hochglanz-Buntlack	
Rigid PVC	interior/ exterior	BFS Data Sheet No. 22	–	Capalac AllGrund	if necessary Capalac Hochglanz-Buntlack	
Stable, existing paint coatings	interior/ exterior	roughening /alkali treatment	– ¹⁾	Capalac AllGrund ¹⁾	if necessary Capalac Hochglanz-Buntlack	
Uncoated radiators	interior	derusting/cleaning	–	Capalac AllGrund up to 100 °C	Capalac ²⁾ Hochglanz-Buntlack	²⁾ Capalac Hochglanz-Buntlack, coloured
Precoated radiators (prefab)	interior	roughening	–	Disbon 481 EP-Uniprimer up to 100 °C	Capalac ²⁾ Hochglanz-Buntlack	

¹⁾ Pretreat defects in existing enamel coatings according to substrate requirements.

²⁾ Do not apply white shades on radiators to avoid yellowing.

Note: Adhesion must previously be tested for powder coatings, coil coatings and other such critical substrates by a trial coating.

Consumption

	Brush Application	Roller Application	Spraying (Aircoat)
Consumption ml/m² per Coat*	70 - 100	80 - 110	120

Consumption is only a guide value and may vary, depending on substrate requirements. Determine the exact amount of material required by coating a test area on site.

Application Conditions

Lower Temperature Conditions for Application and Curing:

Min. 5 °C for product, ambient air and substrate.

Relative humidity must not exceed 80 %.

Drying/Drying Time

At 20 °C, 65 % relative humidity	dust dry	touch dry	recoatable (brush)	recoatable (spraying)
after hours	4	8 - 10	24	8 - 16

Lower temperatures and higher humidity or higher quantities of applied material extend the drying time.

The use of Capalac PU Hardener (PU-Härter) is essential for colours RAL 9006 and RAL 9007 to compensate delayed drying of both materials. It is mandatory to follow the Safety Advice given in Technical Information No. 093.

TECHNICAL INFORMATION NO. 050

Tool Cleaning Immediately after use with white spirit.

Advice

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

Flammable liquid and vapour. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Repeated exposure may cause skin dryness or cracking. Contains bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction. Use P2 dust filter for grinding. Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

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 (category A/d): max. 300 g/l (2010). This product contains max. 300 g/l VOC.

VOC content of standard colours RAL 9006 and RAL 9007 with 10 % content of PU Hardener:
Limit value (Category A/j): max. 500 g/l (2010). This product contains max. 500 g/l VOC.

Product Code Paints and Enamels

M-LL01 (Germany)

Substances of Content - Declaration

Alkyd resin, titanium dioxide, colored pigments, aliphatics, 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.050 · Capalac Hochglanz-Buntlack · Issued: December 2020

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