

Capacryl PU-Satin, PU-Gloss

High-grade, scratch resistant and shock-proof polyurethane-acrylic enamels for exterior and interior use.



Product Description

Field of Application

High-grade intermediate and finishing coats on primed, dimensionally stable wood component parts, primed metals and unplasticized/rigid PVC, in the exteriors and interiors. Do not use white tints on heating systems to avoid yellowing (apply Capacryl Heizkörperlack).

Material Properties

- Low odour.
- Elegant and easy application.
- Non-blocking.
- High scratch resistance and shock strength.
- Diffusion-capable.
- Resistant to normal household cleaners.
- Wet scrub resistance class to DIN EN 13 300: Class 1 (corresponds to scrub-resistant according to DIN 53778).
- Suitable for children toys according to DIN EN 71-3.
- Resistant to disinfectants.

Material Base / Vehicle

Polyurethane-acrylic dispersion/emulsion

Packaging/Package Size

	Capacryl PU-Satin	Capacryl PU-Gloss
Standard Colours:	375 ml, 750 ml, 2,5 Ltr., 10 Ltr.	375 ml, 750 ml, 2,5 Ltr.
ColorExpress:	350 ml*, 700 ml, 2,4 Ltr., 9,6 Ltr.*	350 ml*, 700 ml*, 2,4 Ltr.
*not for Base Y and R		

Colours

White

Can be tinted via ColorExpress stations (Capamix) in many special tints of Caparol 3D-System plus collection and in many colours of other collections.

If necessary, apply a transparent sealing coat of Capadur Parkett- und SiegelLack on intensively or dark tinted Capacryl PU-Satin coatings in the interiors, to avoid a slight abrasion of pigments.

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: Capacryl PU-Satin/PU-Gloss, Capacryl Haftprimer and Capacryl PU-Vorlack.

Colour Resistance according to BFS Data Sheet No. 26:

Binder: Class A

Pigmentation: Group 1 to 3 depending on the colour



TECHNICAL INFORMATION NO. 052

Gloss Level

- **Capacryl PU-Gloss:**
Glossy.
- **Capacryl PU-Satin:**
Silk-matt/semi-gloss (mid sheen)

Storage

Keep in a cool, but frost-free place.
Shelf life: 24 months in the original, tightly closed container.

Technical Data

- **Density:** Approx. 1.3 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

Primed, dimensionally stable wood component parts, primed metals and unplastizised/rigid PVC. The substrate must be clean, sound/stable, dry and free from substances that may prevent good adhesion. Maximum permissible moisture/humidity content in dimensionally stable wood: 13%.

Method of Application

Capacryl PU-Gloss/PU-Satin can be applied by brush, roller or spraying equipment. Stir well before use and dilute, if necessary, with max. 5 - 15 % of tap (potable) water for intermediate coat. For brush application use Orelmix brushes.

Manual application on large surfaces: Apply with a textured, short pile polyamide (nylon) roller and treat immediately with a fine-porous foam roller or Orelmix brush.

For a fast application and an even surface treatment the tool sizes should be adjusted to the surface area.

Guidelines for Spray Application:

	Ø Nozzle	Spray Gun Pressure	Air Pressure	Dilution
Airless	0.08 – 0.011 inch	200 bar	–	max. 5 %
Airmix/Aircoat	0.011 – 0.013 inch	120 bar	2-3 bar	max. 5 %
Low Pressure	1.8 – 2.2 mm	–	approx. 0.5 bar	max. 15 %
High Pressure	2.0 – 2.5 mm	–	2 – 3 bar	max. 15 %

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Wood, derived timber products	interior	sanding / cleaning	—	Capacryl Holz-IsoGrund ¹⁾	Capacryl PU-Vorlack ²⁾	Capacryl PU-Gloss/PU-Satin ³⁾
Wood, stable in dimensions	exterior	BFS Data Sheet No. 18	Capacryl Holzschutz-Grund	Capacryl Holz-IsoGrund ¹⁾		
Iron, steel	interior	derusting / cleaning	—	Capalac AllGrund		
	exterior	derusting / cleaning	—	2 x Capalac AllGrund		
Zinc (galvanised substrates)	interior / exterior	BFS Data Sheet No. 5	—	Capacryl Haftprimer		
Aluminium / copper	interior / exterior	BFS Data Sheet No. 6	—	Capacryl Haftprimer		
Rigid PVC	interior / exterior	BFS Data Sheet No. 22	—	Capacryl Haftprimer		
Sound existing paint coatings	interior / exterior	sanding / treat with alkali (lixiviating)	Prepare and prime defects according to the substrate	Capacryl Haftprimer		

* Apply two intermediate coats on dimensionally stable wood component parts according to BFS Data Sheet No. 18. Always apply Capacryl Holz-IsoGrund on wood containing water-soluble, discolouring substances (2 x on knots). The intermediate coat should match the finishing coat in shade. Via ColorExpress an optimised shade is automatically mixed for red, yellow or orange tints with poor covering power to achieve a higher opacity of the finishing coat. This may cause a slightly different shade. Tints with poor opacity (e.g. yellow/red/orange pigmented) may require an additional coat. Note: Adhesion must be tested in advance for powder coatings, coil coatings and other critical substrates by a trial application.

Consumption	Approx. 100 – 120 ml/m ² per coat. Consumption is a guide value and may vary, depending on substrate requirements. The exact consumption is best established by a trial coating (test area) on site.			
Application Conditions	Lower Temperature Limit for Application and Drying: Min. 8 °C for product, substrate and ambient air. Relative humidity must not exceed 70 %.			
Drying/Drying Time	At 20 °C and 65% relative humidity	dust dry	recoatable (by brush)	completely dry
	after hours	1–2	10–12	48
Tool Cleaning	Lower temperatures and higher humidity extend the drying time. Immediately after use with water.			

Advice

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

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Further information: See Material Safety Data Sheet (MSDS).

Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). 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 emptied containers should be given 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. 130 g/l (2010). This product contains max. 130 g/l VOC.

Product Code Paints and Enamels

M-LW01

Substances of Content - Declaration

Polyacrylic resin, polyurethane / polyacrylic resin, titanium dioxide, silicates, water, glycols, glycol ethers, ester alcohol, additives, preservatives.

Customer Service Centre

Customer Service Center:
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Technical Information No. 052 · Issue: March 2026

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.052 · Capacryl PU-Satin, PU-Gloss · Issued: June 2024

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