

Capacryl PU-Gloss, PU-Satin

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

- Water-thinnable
- 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 53 778)
- Suitable for children toys according to DIN EN 71-3.
- Resistant to disinfectants

Material Base / Vehicle

Polyurethane-acrylic dispersion

Packaging/Package Size

- **Standard Colours:**
375* ml, 750 ml, 2.5 litres and 10* litres
* Deliverable in white only
- **ColorExpress:**
350 ml, 700 ml, 2.4 litres and 9.6 litres

Colours

- **Standard Colour PU-Gloss:**
White
- **Standard Colour PU-Satin:**
White; RAL 1023; RAL 3000; RAL 5010; RAL 6002; RAL 7035; RAL 8003; RAL 9005

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.

Colour Resistance according to BFS Data Sheet No. 26:

Binder: Class A

Pigmentation: Group 1 to 3 depending on the colour

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: 12 months in original, tightly closed container.

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%.

Substrate Preparation

Wood Component Parts:

Sand the surface in fibre direction, clean thoroughly, remove all exuding wood components, e.g. resins and resin galls and cut sharp edges (see BFS Data Sheet No. 18).

Iron, Steel:

Derust according to industry standard SA 2½ (blasting) or ST3 (mechanically) according to DIN EN ISO 12 944-4.

Zinc (Galvanised Substrates), Unplastizised/Rigid PVC:

Wash with light ammonia solution using a sanding pad as per BFS Data Sheets No. 5 and No. 22.

Aluminium, Copper:

Clean with nitro-thinner or phosphoric acid solution using a sanding pad as per BFS Data Sheet No. 6.

Existing Paint Coatings:

Sand the surface and/or treat with alkaline solution. Remove unsound existing coatings.

Method of Application

Guidelines for Spray Application:

	Ø Nozzle	Spray Gun Pressure	Air Pressure	Dilution
Airless	0.011 – 0.015 inch	200 bar	–	max. 5 %
Airmix/Aircoat	0.011 – 0.015 inch	120 bar	2.5 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 %

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.

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	CapacrylHolzschutz-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			

* Apply two intermediate coats on dimensionally stable wood component parts according to BFS Data Sheet No. 18.

1. Always apply Capacryl Holz-IsoGrund on wood containing water-soluble, discolouring substances (2 x on knots).
2. 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.
3. 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 rate of consumption is best established by a trial coating.		
Application Conditions	Lower Temperature Limit for Application and Drying: Min. 8 °C for material, substrate and ambient air.		
Drying/Drying Time	At 20 °C and 65% relative humidity	dust dry	recoatable (by brush)
	after hours	1–2	10–12
			completely dry
			48
Tool Cleaning	Lower temperatures and higher humidity extend the drying time. Immediately after use with water.		

Advice

Please Note (Status as at Date of Publication)

Keep out of the reach of children. In case of spray application: Do not breathe spray dust. Use combi filter A2/P2. Use dust filter P2 for grinding/sanding work. Ventilate well during and after application (drying phase). Do not eat, drink and smoke during application. In case of contact with eyes and skin, rinse immediately with plenty of water. Do not empty into drains, water courses or onto the ground.

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 material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

EU limit value for the VOC content

of this product (category A/d): max. 130 g/l (2010). This product contains max. 110 g/l VOC.

Product Code Paints and Enamels

M-LW01

Substances of Content - Declaration

Content according to VdL-RL01: Polyurethane/acrylate resin, titanium dioxide, coloured pigments, mineral fillers, water, glycols, glycol ether, additives, preservative agent (methyl-/benzisothiazolinone).

Further Details

See Material Safety Data Sheets.

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. 052 · Capacryl PU-Gloss, PU-Satin · Issued: November 2010

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