

# Capacryl PU-Matt

High-grade polyurethane-acrylic enamel for interior use



## Product Description

### Field of Application

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

### Material Properties

- Low odour
- Elegant and easy application
- Non-blocking
- Diffusion-capable
- Resistant to normal household cleaners
- Suitable for children toys according to DIN EN 71-3

### Material Base / Vehicle

Polyurethane-acrylic dispersion/emulsion

### Packaging/Package Size

- **White:**  
375ml, 750 ml, 2,5 litres and 10 litres
- **ColorExpress:**  
350 ml, 700 ml, 2,4 litres and 9,6 litres

### 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.

On intensively or dark tinted Capacryl PU-Matt coatings in the interiors a slight temporary abrasion of pigments may appear.

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 Capacryl PU-Matt.

### Colour Resistance according to BFS Data Sheet No. 26:

Binder: Class A  
Pigmentation: Group 1 to 3 depending on the colour

### Gloss Level

Matt

### 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/cm<sup>3</sup>



# TECHNICAL INFORMATION NO. 963

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 wood component parts, primed metals and unplasticized/rigid PVC.  
The substrate must be clean, sound/stable, dry and free from substances that may prevent good adhesion.

Method of Application

Capacryl PU-Matt can be applied by brush, roller or spraying equipment. Stir well before use.

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	0.008 – 0.011 inch	200 bar	–	–
Airmix/Aircoat	0.011 – 0.013 inch	120 bar	2-3 bar	–
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	Priming Coat	Intermediate Coat	Finishing Coat
Wood	interior	sanding / cleaning	Capacryl Holz-IsoGrund <sup>1)</sup>	Capacryl PU-Vorlack <sup>2)</sup>	Capacryl PU-Matt <sup>3)</sup>
Iron, steel	interior	derusting / cleaning	Capalac AllGrund		
Zinc	interior	BFS Data Sheet No. 5	Capacryl Haftprimer		
Aluminium / copper	interior	BFS Data Sheet No. 6	Capacryl Haftprimer		
Rigid PVC	interior	BFS Data Sheet No. 22	Capacryl Haftprimer		
Sound existing paint coatings	interior	sanding / treat with alkali	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.

# TECHNICAL INFORMATION NO. 963

Consumption      Approx. 100 – 120 ml/m<sup>2</sup> 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

Lower temperatures and higher humidity extend the drying time.

Tool Cleaning      Immediately after use with water.

## Advice

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

May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Wear protective gloves/ eye protection. IF ON SKIN: Wash with plenty of soap and water.

Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-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). mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) < 15 ppm

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.

Giscode

BSW30

Substances of Content - Declaration

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

Customer Service Centre

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International Distribution: Please see [www.caparol.com](http://www.caparol.com)

## Technical Information No. 963 · Issue: June 2019

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.963 · Capacryl PU-Matt · Issued: May 2019