

Capacryl PU-Satin NAST

Perfect colorfulness for exterior and interior



Product Description

Field of Application

For professional intermediate and finishing coats on primed, dimensionally stable wooden components as well as on primed metal and rigid PVC. Applicable for exterior and interior use. Specially formulated for low-mist spray application with the following spray equipment:

Wagner XVLP FinishControl 3500 / 5000/ 5500
Graco Capacryl NAST HVLP Spray + Edge 2 NAST
Titan Focus 700

Explanation: NAST / *German term*: **Nebelarme Spritz-Technologie** = Spray technology with low spray mist (dust/fog) formation

Material Properties

- Water-dilutable.
- Nearly mist-free spray application is possible.
- Non-blocking.
- High scratch resistance and shock strength.
- Diffusion-capable.
- Resistant to normal household detergents.
- Suitable for children toys as per DIN EN 71-3.

Material Base / Vehicle

Polyurethane-acrylic dispersion/emulsion

Packaging/Package Size

- **White (Weiß):**
2.5 litres
- **ColorExpress:**
2.4 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.

Colour Stability as per German BFS-Merkblatt (Data Sheet) No. 26:

Binder: Class A
Pigmentation: Group 1

Gloss Level

Silk-matt/semi-gloss (mid sheen; velvet or eggshell-like finish)

Storage

Keep in a cool, but frost-free place.

Technical Data

Density: Approx. 1.3 g/cm²



TECHNICAL INFORMATION NO. 962

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 unplasticized/rigid PVC. The substrate must be clean, sound/stable, dry and free from all substances that may prevent good adhesion. Maximum permissible moisture content in dimensionally stable wood (WMC): 13 %.

Substrate Preparation

Roughening and cleaning the primed surface.

Method of Application

Capacryl PU-Satin NAST has been developed for use with the below mentioned special equipment to ensure a nearly mist-free spray application. The product cannot be applied via paint brush or roller.

Capacryl PU-Satin NAST is adjusted for use with the mentioned spray equipment and Caparol NAST-Frontend/Capacryl NAST HVLP Spray. Only this combination of material and equipment enable a nearly mist-free spray application.

Guidelines for Spray Application:

Suitable Spray Equipment	Nozzle/Frontend	Adjustment Quantity of Material	Adjustment Quantity of Air	Dilution
Wagner XVLP FinishControl 3500/5000/5500	Caparol NAST	8 - 10	2/3 or 7- 8	undiluted
Titan Focus 700	Caparol NAST	8 - 9	2/3 or 7- 8	undiluted
Graco Capacryl NAST HVLP Spray	Edge 2 NAST	6 - 7	max.	undiluted

Spray Technique:

Adjustment for coating surfaces: "Flachstrahl" (flat jet). Spray slowly lengthwise with an overlap of min. 50 % and in a spray distance of 15 cm, applying wet-on-wet.

Do not apply cross-coats!

Allow to dry and apply a second coat in the same manner, if necessary.

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming	Intermediate Coat	Finishing Coat
Wood, derived timber products	interior	sanding/cleaning	–	Capacryl Holz-IsoGrund ¹⁾	Capacryl PU-Vorlack or Capacryl PU-Satin NAST	Capacryl PU-Satin NAST ²⁾
Wood, stable in dimensions	exterior	BFS Data Sheet No. 18	Capacryl Holz SchutzGrund	Capacryl Holz-IsoGrund ¹⁾		
Iron, steel	interior	derusting/cleaning	–	Capalac AllGrund		
	exterior	derusting/cleaning	–	2 x Capalac AllGrund		
Zinc	interior/ exterior	BFS Data Sheet No. 5	–	Capacryl Haftprimer (NAST)		
	interior/ exterior	BFS Data Sheet No. 6	–	Capacryl Haftprimer (NAST)		
Rigid PVC	interior/ exterior	BFS Data Sheet No. 22	–	Capacryl Haftprimer (NAST)		
Sound existing paint coatings	interior/ exterior	slightly sanding	Prepare and prime defects according to substrate requirements	Capacryl Haftprimer (NAST)		

¹⁾ Always apply Capacryl Holz-IsoGrund on wood containing water-soluble, discolouring substances (2x on knots).

²⁾ Colour shades of low opacity (e.g. yellow/red/orange pigmented) may require an additional coat.

Note: Adhesion must always be tested in advance for powder coatings, coil coatings and other critical substrates by trials (coating a test area on site).

Consumption

Approx. 120 - 160 ml/m² per coat.

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

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Application Conditions

Low 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 (RH)	dust dry	recoatable (spray application)	completely dry
after hours	1 - 2	10 - 12	48

Lower temperatures and higher humidity extend the drying time.

Tool Cleaning

Clean tool after use with water and wetting agent, e.g. Gescha Multi-Star. It is recommended the wearing of nitrile gloves.

Advice

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

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Keep out of reach of children. For spraying work, use combination filter A2/P2 and protective goggles. Use dust filter P2 for grinding work. Ensure thorough ventilation during application and drying. Avoid eating, drinking and smoking while using the paint. In case of contact with eyes or skin, rinse immediately with plenty of water. Do not allow to enter drains, waterways or soil. Clean tools immediately after use with soap and water.

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.
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. 130 g/l (2010). This product contains max. 130 g/l VOC.

Giscode

BSW30

Substances of Content - Declaration

Polyurethane/acrylate resin, titanium dioxide, coloured pigments, mineral fillers, water, glycols, glycol ether, additives, preservatives.

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Technical Information No. 962 · Issue: October 2024

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