

Capacryl PU-Satin NAST

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

NAST quality (Practically mist-free spray technology).



Product Description

Field of Application

Suitable for high-grade intermediate and finishing coats on primed, dimensionally stable wood component parts, primed metals and unplasticized/rigid PVC, outdoors and indoors. Particularly suitable for nearly mist-free spray application, when using the Caparol Frontend nozzle and spraying equipment as follows:

Wagner XVLP FinishControl 3500/5000
Titan Focus 700

Please note:

Do not use on heating systems to avoid yellowing (use Capacryl Heizkörperlack instead).

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

Material Properties

- Water-dilutable.
- Low odour.
- Nearly mist-free spray application is possible.
- Non-blocking.
- High scratch resistance and shock strength.
- Diffusion-capable.
- Resistant to normal household detergents.
- Wet scrub resistance class according to DIN EN 13300: Class 1 (corresponds to "scrub resistant" as per German standard DIN 53778).
- Suitable for children toys as per DIN EN 71-3.
- Resistant to disinfectants.

Material Base / Vehicle

Polyurethane-acrylic dispersion/emulsion

Packaging/Package Size

- **White (Weiß):**
750 ml, 2.5 litres
- **ColorExpress:**
700 ml, 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)



TECHNICAL INFORMATION NO. 962

Storage

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

Technical Data

Density: Approx. 1.3 g/cm²

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 special nozzle Caparol NAST-Frontend. 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	Caparol NAST	8 - 10	2/3 or 7/8	undiluted
Titan Focus 700	Caparol NAST	8 - 9	2/3 or 7/8	undiluted

* Do not heat the product when spraying with Wagner XVLP FinishControl 6500 TS!

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 Holzschutz-Grund	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)		
Aluminium/copper	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/ alkali treatment	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).

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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.

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 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: 2-methyl-2H-isothiazol-3-one, 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).
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.
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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