

Capacryl Haftprimer NAST

Acrylic primer. Adhesion promoting, water-dilutable.
For exterior and interior use. In NAST quality (nearly mist-free spray technology).



Product Description

Field of Application

For adhesion promoting/enhancing priming coats on existing paint coatings, enamel coats, wood, zinc/galvanised surfaces, unplasticized (rigid) PVC, aluminium, copper and many other problematical substrates before applying acrylic or alkyd enamels. Note: Do not use alkyd enamels on zinc/galvanised surfaces. 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

Also suitable for the spray application on coated metal rails of acoustic ceilings (grid ceilings) in combination with the RasterFIXX fleece (acoustic assortment).

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

Material Properties

- Water-dilutable.
- Ecologically compatible.
- Nearly mist-free spray application is possible.
- Excellent adhesion.
- Fast drying.
- Diffusion-capable.
- Suitable for children toys as per DIN EN 71-3.

Material Base / Vehicle

Acrylic dispersion/emulsion

Packaging/Package Size

- **White:**
750 ml, 2.5 litres
- **ColorExpress:**
700 ml, 2.4 litres

Colours

White

Gloss Level

Matt

Storage

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

Technical Data

- Density: Approx. 1.5 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

Wood, derived timber products, zinc/galvanised substrates, aluminium, copper, unplasticized (rigid) PVC, stable existing coatings. Also suitable on coated metal rails of acoustic ceilings (grid ceilings). Do not apply on anodised aluminium.
The substrate must be clean, sound/stable, dry, and free from all substances that may prevent good adhesion.
Maximum permissible moisture content (WMC) in dimensionally stable wood: 13 %, in limited dimensionally stable wood and wooden parts of unstable shape: 15 %.

Substrate Preparation

Wooden Parts:

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

Zinc, Unplasticized/Rigid PVC:

Wash with light ammonia solution using a sanding pad as per BFS Data Sheets Nos. 5 and 22.

Aluminium, Copper:

Clean with destined detergents, e.g. Gescha Multi-Star, then sand with a plastic abrasive fleece (see BFS Data Sheet No. 6).

Existing Paint Coatings:

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

Coated metal rails of grid ceilings:

Clean with destined detergents, e.g. Gescha Multi-Star.

Method of Application

Capacryl Haftprimer 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.

Please note:

Capacryl Haftprimer 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.

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.

Guidelines for Spray Application:

Geeignete Spritzgeräte	Ø Nozzle/ Frontend	Adjustment Quantity of Material	Adjustment Quantity of Air	Dilution
Wagner XVLP FinishControl 3500 and 5000 Titan Focus 700	Caparol NAST- Frontend	8 - 10	2/3 or 7-8	undiluted in delivered consistency

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Limited stable & unstable wooden parts	exterior	BFS No. 18	Capacryl Holzschutz-Grund	Capacryl Haftprimer NAST or Capacryl Holz-IsoGrund ¹⁾	Capadur Wetterschutzfarbe NQG	Capadur Wetterschutzfarbe NQG ³⁾
Stable wooden parts	exterior	BFS No. 18	Capacryl Holzschutz-Grund	Capacryl Haftprimer NAST or Capacryl Holz-IsoGrund ¹⁾	if necessary: Capacryl PU-Vorlack or Capacryl PU-Gloss/PU-Satin/PU-Satin NAST	Capacryl PU-Gloss/PU-Satin ^{3)/} PU-Satin NAST
Wood component parts	interior	sanding/cleaning	–	Capacryl Haftprimer NAST or Capacryl Holz-IsoGrund ¹⁾	if necessary: Capacryl PU-Vorlack oder Capacryl PU-Gloss/PU-Satin/PU-Satin NAST	Capacryl PU-Gloss/PU-Satin ^{3)/} PU-Satin NAST
Zinc	interior/ exterior	BFS No. 5	–	Capacryl Haftprimer NAST	if necessary: Capacryl PU-Vorlack or Capacryl PU-Gloss/PU-Satin/PU-Satin NAST	
Aluminium/Copper	interior/ exterior	BFS No. 6	–	Capacryl Haftprimer NAST		
Rigid PVC	interior/ exterior	BFS No. 22	–	Capacryl Haftprimer NAST		
Stable existing paint coats	interior/ exterior	roughening/ alkali treatment	– ²⁾	Capacryl Haftprimer NAST ²⁾		
coated metal rails (grid ceilings)	interior	cleaning	–	1 -2 x Capacryl Haftprimer NAST		

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

²⁾ Prepare and prime defects according to substrate requirements.

³⁾ 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. 130 - 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.	dust dry	dry to touch	recoatable/ sprayable with acrylic enamel	recoatable/ sprayable with alkyd enamel
after hours	1 - 2	10 - 12	12 -16	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)

If medical advice is needed, have product container or label at hand. Keep out of reach of children. 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.

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/i): max. 140 g/l (2010). This product contains max. 140 g/l VOC.

Giscode

BSW30

Substances of Content - Declaration

Polyacrylate resin, titanium dioxide, coloured pigments, silicates, calcium carbonate, water, glycols, glycol ether, white spirit, additives, preservatives.

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