

Capacryl Haftprimer NAST

The adhesion miracle for outside and inside



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 spraying equipment as follows:

Wagner XVLP FinishControl 3500/5000/5500
Graco Capacryl NAST HVLP Spray + Edge 2 NAST
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.
- 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:**
2.5 litres
- **ColorExpress:**
2.4 litres

Colours

White

Gloss Level

Matt

Storage

Keep in a cool, but frost-free place.

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 / (o) of limited suitability / (+) suitable				



Application

Suitable Substrates	<p>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.</p> <p>The substrate must be clean, sound/stable, dry, and free from all substances that may prevent good adhesion.</p> <p>Maximum permissible moisture content (WMC) in dimensionally stable wood: 13 %, in limited dimensionally stable wood and wooden parts of unstable shape: 15 %.</p>
Substrate Preparation	<p>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).</p> <p>Zinc, Unplasticized/Rigid PVC: Wash with light ammonia solution using a sanding pad as per BFS Data Sheets Nos. 5 and 22.</p> <p>Aluminium, Copper: Clean with destined detergents, e.g. Gescha Multi-Star, then sand with a plastic abrasive fleece (see BFS Data Sheet No. 6).</p> <p>Existing Paint Coatings: Sand the surface and/or treat with alkaline solution. Remove unstable existing coatings.</p> <p>Coated metal rails of grid ceilings: Clean with destined detergents, e.g. Gescha Multi-Star.</p>
Method of Application	<p>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.</p> <p>Please note: Capacryl Haftprimer 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.</p> <p>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. <u>Do not apply cross-coats!</u> Allow to dry and apply a second coat in the same manner, if necessary.</p>

Guidelines for Spray Application:

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

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Limited stable & unstable wooden parts	exterior	BFS No. 18	Capacryl Holz SchutzGrund	Capacryl Haftprimer NAST or Capacryl Holz-IsoGrund ¹⁾	Capadur Wetterschutzfarbe NQG/Matt	Capadur Wetterschutzfarbe NQG/Matt ³⁾
Stable wooden parts	exterior	BFS No. 18	Capacryl Holz SchutzGrund	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	– 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.

Customer Service Centre

Tel.: +49 6154 71-71710

Fax: +49 6154 71-71711

e-mail: kundenservicecenter@caparol.de

International Distribution: Please see www.caparol.com