

# 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 6500 TS  
Wagner XVLP FinishControl 5000  
Titan Focus 700

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 (Weiß):**  
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: 12 months in original, tightly closed container.

### Technical Data

- Density: Approx. 1.5 g/cm<sup>3</sup>

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. 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 (Galvanised Substrates), 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 nitro-thinner (diluent for cell lacquers) or phosphoric acid solution using a sanding pad as per BFS Data Sheet No. 6.  
**Existing Paint Coatings:**  
Sand the surface and/or treat with alkaline solution. Remove unstable existing coatings.

**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.**

**Guidelines for Spray Application:**

Geeignete Spritzgeräte	Ø Nozzle/ Frontend	Adjustment Quantity of Material	Adjustment Quantity of Air	Dilution
Wagner XVLP FinishControl 6500 TS* and 5000 Titan Focus 700	Caparol NAST-Frontend	8 - 9	2/3	undiluted in delivered consistency

\*Do not heat the product for spraying with Wagner FinishControl TS!

**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.

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 <sup>1)</sup>	Capadur Color	Capadur Color <sup>3)</sup>
Stable wooden parts	exterior	BFS No. 18	Capacryl Holzschutz-Grund	Capacryl Haftprimer NAST or Capacryl Holz-IsoGrund <sup>1)</sup>	if necessary: Capacryl PU-Vorlack or Capacryl PU-Gloss/ PU-Satin/PU-Satin NAST	Capacryl PU-Gloss/ PU-Satin <sup>3)</sup> / PU-Satin NAST
Wood component parts	interior	sanding/ cleaning	–	Capacryl Haftprimer NAST or Capacryl Holz-IsoGrund <sup>1)</sup>	if necessary: Capacryl PU-Vorlack oder Capacryl PU-Gloss/ PU-Satin/PU-Satin NAST	Capacryl PU-Gloss/ PU-Satin <sup>3)</sup> / PU-Satin NAST
Zinc (galvanised surfaces)	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 <sup>1)</sup>	interior/ exterior	roughening/ alkali treatment	– <sup>2)</sup>	Capacryl Haftprimer NAST <sup>2)</sup>		

- 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/m <sup>2</sup> 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	<b>Low Temperature Limit for Application and Drying:</b> Min. 8 °C for product, substrate and ambient air.				
Drying/Drying Time	At 20 °C and 65 % relative humidity.	<b>dust dry</b>	<b>dry to touch</b>	<b>recoatable/ sprayable with acrylic enamel</b>	<b>recoatable/ sprayable with alkyd enamel</b>
	after hours	1 - 2	10 - 12	12 -16	48
Tool Cleaning	Lower temperatures and higher humidity extend the drying time. Immediately after use with water.				

## Advice

Please Note (Status as at Date of Publication)	Keep out of reach of children. Use combifilter A2/P2 when spraying. Use P2 dust filter for grinding. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the paint. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Further information: See Material Safety Data Sheet (MSDS). Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. Germany: Advice for allergy sufferers with isothiazolinone allergy: Hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).
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.
Product Code Paints and Enamels	M-LW01 (Germany)
Substances of Content - Declaration	Polyacrylate resin, titanium dioxide, coloured pigments, silicates, calcium carbonate, water, glycols, glycol ether, white spirit, additives, preservatives (methylisothiazolinone, benzisothiazolinone).
Technical Assistance	As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.
Customer Service Centre	Tel.: +49 06154- 71 7 1710 Fax: +49 05154- 71 7 1008 e-mail: kundenservicecenter@caparol.de  International Distribution: Please see <a href="http://www.caparol.com">www.caparol.com</a>

## Technical Information No.961 - Issue: July 2016

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.961 - Capacryl Haftprimer NAST - Issued: May 2016