

# Capacryl Holz-IsoGrund

Water-dilutable priming paint for cationic insulation of water-soluble, brownish discolouring wood components.  
For exterior and interior use.



## Product Description

Field of Application

Suitable for insulating priming coats on wood and derived timber products (wood based materials) with content of water-soluble, brownish discolouring wood components. The primer is used before applying Capacryl acrylic enamels, Capalac Aqua PU-Alkyd Satin/Gloss or Capadur Color Wetterschutzfarbe.

Material Properties

- Water-dilutable.
- Ecologically compatible.
- Cationic insulating effect against water-soluble, discolouring wood components.
- Provides high adhesion and grip of subsequently applied coatings.
- Diffusion-capable.
- Suitable for children toys as per DIN EN 71-3.

Material Base / Vehicle

Acrylic dispersion/emulsion.

Packaging/Package Size

750 ml, 2.5 litres, 10 litres

Colours

White

Storage

Keep in a cool, but frost-free place.  
Shelf life of the original, tightly closed can: min. 12 months.

Technical Data

- Density: Approx. 1.2 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 / (o) of limited suitability / (+) suitable				

## Application

Suitable Substrates

All wooden parts intended to be coated with water-dilutable/waterborne acrylic coatings and which are at risk of showing brownish discolouration in the finishing coat, caused by water-soluble wood components.  
The substrate must be clean, sound/stable, dry, and free from all substances that may prevent good adhesion.  
The moisture content of dimensionally stable wood must not exceed 13 %. Moisture content of limited dimensionally stable wood and wooden parts of unstable shape: max. 15%.  
Basic principles of wood preservation for constructions must be followed. They are the basis for a durable wood preservation with coating materials.

Substrate Preparation

Sand/grind the surface in fibre direction, clean thoroughly, then remove seeping wood contents, e.g. wood resin/rosin and resin galls (pitch pockets), cut sharp edges (see BFS Data Sheet No. 18).



Method of Application

## Guidelines for Spray Application:

	Ø Nozzle	Pressure	Dilution
Airless	0.011 - 0.015 inch	100 - 130 bar	ready to use

## Surface Coating System

Substrate	Use	Substrate preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Dimensionally unstable wooden parts or parts with limited dimensional stability	exterior	BFS Data Sheet No. 18	Capacryl Holzschutz-Grund	Capacryl Holz-IsoGrund <sup>1)</sup>	Capadur Color Wetterschutzfarbe	Capadur Color Wetterschutzfarbe
Dimensionally stable wooden parts	exterior	BFS Data Sheet No. 18	Capacryl Holzschutz-Grund	Capacryl Holz-IsoGrund <sup>1)</sup>	Capacryl PU-Vorlack* or Capacryl PU-Gloss/PU-Satin	Capacryl PU-Gloss/PU-Satin
Wooden elements	interior	grinding / cleaning	–	Capacryl Holz-IsoGrund <sup>1)</sup>	if necessary Capacryl PU-Vorlack	Capacryl PU-Gloss/PU-Satin

\*Apply two intermediate coats on dimensionally stable wooden parts as per BFS Data Sheet No. 18.

<sup>1)</sup> Always apply Capacryl Holz-IsoGrund on wood containing water-soluble, discolouring wood components. Apply a second coat on knots and wood with rich content of wood components.

Consumption

### Application:

Capacryl Holz IsoGrund can be applied by brush, roller or spraying equipment. Dilute to a max. of 5 % with tap (potable) water and stir thoroughly before use. On wood with rich content of wood components a brownish discolouration may occur in the first Capacryl Holz-IsoGrund priming coat. The discolouration is bound into the film due to a cationic insulating effect. It is mandatory to let the material dry for approx. 12 hours before applying any further coatings. For wood with extremely rich content of wood components, a second priming coat of Capacryl Holz-IsoGrund may be necessary. Apply a trial coating, if necessary.

Approx. 100 - 130 ml/m<sup>2</sup> per coat.

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

Application Conditions

### Product, Ambient and Substrate Temperature:

Min. 8 °C during application and drying.

Drying/Drying Time

At 20 °C und 65 % relative humidity	Dust dry	Recoatable	Cured
After hours	1 - 2	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)

Toxic to aquatic life with long lasting effects. Keep out of reach of children. Avoid release to the environment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

In 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.

In 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/g): max. 30 g/l (2010). This product contains max. 20 g/l VOC.

Product Code Paints and Enamels

M-LW01 (Germany)

Substances of Content - Declaration

**Ingredients according to German Guideline VdL-RL01:**

Polyacrylate resin, alkyd resin, titanium dioxide, zinc white, calcium carbonate, silicates, water, glycol ether, glycols, additives, preservative (Methyl-/Benzisothiazolinone).

Further Details

See Material Safety Data Sheet (MSDS).

Customer Service Centre

Tel.: (+49) 0 61 54 / 71 17 10

Fax: (+49) 0 61 54 / 71 17 11

e-mail: kundenservicecenter@caparol.de

International Distribution: Please see [www.caparol.com](http://www.caparol.com)

## Technical Information No.961 - Issue: January 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 Holz-IsoGrund · Issued: January 2014

DAW International Business: **DAW SE** · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 6154 71-1274 · Fax +49 6154 71-1264 · Internet [www.caparol.com](http://www.caparol.com)