

# PU-AlkydGeo

High-class aqueous polyurethane alkyd lacquer (white enamel) for exterior and interior use.

50 % of binder is made of renewable raw materials.



## Product Description

Field of Application

High-grade intermediate and finishing coats on primed, dimensionally stable wood component parts, primed metals and unplasticized/rigid PVC, in- and outdoors. Do not use for heating systems to avoid yellowing (use Capacryl Heizkörperlack instead). Yellowing is a product typical effect of white alkyd lacquers (synthetic varnishes), due to the use of natural oils.

Material Properties

- Water-dilutable.
- Low odour.
- Easy and elegant to apply.
- Weather-resistant.
- Non-blocking.
- High scratch resistance and shock strength.
- Diffusion-capable.
- Resistant to common household cleaning agents (detergents).
- Sustainable formulation due to the use of renewable raw materials.

Material Base / Vehicle

Polyurethane modified alkyd emulsion

Packaging/Package Size

- 750 ml and 2.5 litres

Colours

- White

**Colour Resistance as per German BFS-Merkblatt (Data Sheet) No. 26:**

Binder: Class B  
Pigmentation: Group 1

Gloss Level

Hochglänzend (High-gloss)  
and  
Seidenglänzend (Silk-gloss / mid sheen)

Storage

Keep in a cool, but frost-free place.  
Shelf life of the original, tightly closed can: 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 / (○) 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: 13 % (WMC).
Substrate Preparation	Roughening and cleaning the primered surface.
Method of Application	<p>PU-AlkydGeo can be applied by brush, roller or spraying equipment. Stir well before use and dilute, if necessary, with max. 5 - 15 % of tap (potable) water for intermediate coat.</p> <p>The indications as stated above may vary, depending on the type/brand of spray equipment used. For brush application use special brushes, suitable for aqueous enamels.</p> <p>Manual application on large/seamless surfaces: Apply with a textured, short pile polyamide (nylon) roller and treat immediately with a fine-porous foam roller or special brush for aqueous enamels.</p> <p>For an efficient application and an even surface treatment the tool sizes should be adjusted to the surface area to be coated.</p>

**Guidelines for Spray Application:**

	Ø Nozzle	Spray Pressure	Air Pressure	Dilution
Airless	0.009 - 0.012 inch	200 bar	–	max. 5 %
Airmix/Aircoat	0.011 - 0.013 inch	120 bar	2.5 bar	max. 5 %
Low pressure	1.8 - 2.2 mm	–	approx. 0.5 bar	max. 15 %
High pressure	1.8 - 2.0 mm	–	2 - 3 bar	max. 15 %

### Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Wood, derived timber products	interior	sanding/cleaning	–	Capacryl Holz-IsoGrund <sup>1)</sup>	PU-Alkyd Geo <sup>2) 3)</sup>	PU-Alkyd Geo
Wood, stable in dimensions	exterior	BFS No. 18	Capacryl Holzschutz-Grund	Capacryl Holz-IsoGrund <sup>1)</sup>		
Iron, steel	interior	derusting/cleaning	–	Capalac AllGrund or Capalac Aqua Multiprimer		
	exterior	derusting/cleaning	–	2 x Capalac AllGrund		
Zinc	interior/ exterior	BFS No. 5	–	Capalac 2 K EP-Haftgrund		
Aluminium/Copper	interior/ exterior	BFS No. 6	–	Capacryl Haftprimer		
Rigid PVC	interior/ exterior	BFS No. 22	–	Capacryl Haftprimer		
Stable existing paint coatings	interior/ exterior	roughening/alkali treatment	Prepare and prime substrates depending on substrate requirements	Capacryl Haftprimer		

- 1) Always apply Capacryl Holz-IsoGrund on wood containing water-soluble, discolouring substances (2 x on knots).  
 2) Apply two intermediate coats on dimensionally stable wood component parts, as per BFS Data Sheet No. 18.  
 3) Sand the surface after applying an additional intermediate coat.  
 Note: Adhesion must be tested in advance for powder coatings, coil coatings and other critical substrates by trials.

Consumption	Approx. 100 - 120 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	<p><b>Low Temperature Limit for Application &amp; Drying:</b>                  Minimum 8 °C for product, ambient air and substrate.                  Relative humidity must not exceed 70 %.</p>

Drying/Drying Time	At 20 °C and 65 % relative humidity.	<b>dust dry</b>	<b>recoatable</b>	<b>cured</b>
	after hours	1 - 2	10 - 12	48

Lower temperatures and higher humidity extend the drying time.

Tool Cleaning	Immediately after use with water.
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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: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one.

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/d): max. 130 g/l (2010). This product contains max. 110 g/l VOC.

Giscode

BSW30

Substances of Content - Declaration

Polyurethane modified alkyd resin, titanium dioxide, coloured pigments, mineral fillers, water, glycols, glycol ether, additives, preservative.

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](http://www.caparol.com)