

# PremiumCare 2K-Lack

The robust 2K varnish against viruses and bacteria



## Product Description

### Field of Application

For high-quality coatings in areas with increased hygiene requirements, such as care facilities, clinics, hotels, restaurants, schools and daycare centers. PremiumCare 2K-Lack is a construction coating for non-traffic, vertically applied building material surfaces in building construction. It is not intended for use on sports equipment, toys, furniture, vehicles, ships/boats, machinery, plant and the like. The suitability for this must be checked in each individual case. Applicable for exterior and interior use.

### Material Properties

- Antibacterial and antiviral effect
- Disinfectant resistant
- Very good cleanability
- High scratch and impact resistance
- Block resistant
- Noble lacquer finish
- Very good chalking resistance
- Weather resistant
- Hand perspiration resistant

### Material Base / Vehicle

Two-component acrylic polyurethane paint, water-thinnable

### Packaging/Package Size

**Standard goods:**  
750 ml, 2.5 ltr. (each incl. hardener).

**ColorExpress (base white):**  
750 ml, 2.5 ltr. (each incl. hardener)

### Colours

White  
Other color shades can be tinted via ColorExpress.  
Color fastness according to BFS Leaflet No. 26

**Binder:** Class A  
**Pigmentation:** Group 1 to 3

### Gloss Level

Semi-gloss

### Storage

Please store in a cool place and keep containers tightly closed.

### Technical Data

- Density: approx. 1.2 g/cm<sup>3</sup>
- Dry temperature resistance: max. 120 °C



Note

Chemical resistance based on DIN EN ISO 12720 at 20 °C		
Test substance	Reaction time	Rating
Acetone	10 s	slight change
Butylacetat	10 s	slight change
Isopropanol	2 min	slight change
White spirit	10 min	slight change
Ammonia	10 min	slight change
Potash lye	1 h	slight change
Skin protection cream	1 h	no change
Edible vinegar	1 h	no change
Ethanol	1 h	slight change
Cleaner	1 h	no change
Lactic acid	1 h	no change
Super gasoline	1 h	moderate change
Phosphoric acid	1 h	no change
Biodiesel	1 h	slight change
Hand sweat	1 h	no change
Red wine	6 h	moderate change
Mustard	6 h	moderate change
Coffee	16 h	moderate change
Water	16 h	no change
Cola	16 h	no change

Explanation:

**No change** = The test surface cannot be distinguished from the adjacent surrounding surface.  
**Slight change** = The test surface differs from the surrounding surface only when a light source is reflected, e.g. by discoloration, change in color or gloss. No change in surface structure, e.g. due to swelling, cracking or blistering.  
**Moderate change** = The test surface can be distinguished from the surrounding surface, e.g. by discoloration, change in color or gloss. No change in surface structure, e.g. due to swelling, cracking or blistering.

Cleaning recommendation: For occasional surface cleaning, standard household aqueous cleaning agents that are not dyed are suitable in conjunction with a soft, clean microfiber cloth. Before cleaning for the first time, the corresponding cleaning agent should be tested for compatibility with the coating system on a less visible area. Follow the dosage instructions for the cleaning agents and do not use abrasive products. In the case of tinted goods, a slight pigment abrasion may become visible on the cleaning cloth, depending on the color shade and cleaning intensity.

**Use in hospitals:** Before possible use in hospitals, the use of PremiumCare (active ingredient silver) should be coordinated with responsible hospital personnel.

inside 1	inside 2	inside 3	outside 1	outside 2
+	+	+	+	+
(-) Not suitable / (○) Limited suitability/ (+) suitable				

Suitability according to  
 Technical Information No. 606  
 Definition of Application Areas

## Application

Suitable Substrates	<p>Suitable for primed building material surfaces such as dimensionally stable wood components, wood materials, steel, galvanized steel, zinc sheet, aluminum, copper, rigid PVC, load-bearing old coatings in exterior and interior areas.</p> <p>Do not coat the following surfaces with PremiumCare 2K-Lack: Stainless steel, anodized aluminum, bronze, brass, surfaces exposed to continuous wetness such as showers and swimming pools. Roof surfaces, floors, balcony floors, surfaces subject to traffic. Limited and not dimensionally stable wood components. Wood-based panels and plywood panels (e.g. laminated veneer lumber) in exterior areas.</p>
Substrate Preparation	Sand and clean the primed surfaces.
Preparation of Material	<p>Add the hardener to the base compound immediately before processing. Mix intensively by hand or with a slow-running agitator (max. 400 rpm). Then transfer to another container and mix thoroughly again. The material temperature of both components should be 15 - 20 °C.</p> <p>Sand and clean the primed surfaces.</p>
Mixing Ratio	<p>Base compound : hardener = 9 : 1 parts by volume or Base compound : hardener = 100 g : 9.8 g parts by weight</p>
Method of Application	<p>PremiumCare 2K-Lack can be applied by painting, rolling or spraying. In particular, when spraying, observe the environmental and occupational health and safety regulations for handling coatings containing isocyanates. For brush application, use suitable aqua paint brushes such as Orel-Mix, Friess Blueline or Wistoba 1528 Krex. On larger surfaces, apply the varnish with a short-pile (textured) polyamide (nylon) roller and immediately finish with a fine-pored foam roller or an aqua varnish brush.</p>

**Instructions for spray application\*:**

	Ø Nozzle	Spray pressure	Air pressure	Dilution
<b>Airless</b>	0,010 – 0,012 inch	220 bar	–	–
<b>Airmix/Aircoat</b>	0,010 – 0,012 inch	200 - 220 bar	2,5 bar	–
<b>Caparol-NAST/Wagner XVLP FinishControl 5000/5500</b>	NAST-Frontend (Color: blue)	Air volume 2/3 bzw. 7/8	–	10 %
<b>High pressure</b>	1,8 – 2,0 mm	–	2,5 bar	15 %

\*Data may vary depending on device make

Thinning	<p>PremiumCare 2K-Lack is ready for application by brush and roller. Thinning with water is not necessary. For spray application, dilution with potable water is possible depending on the equipment and spraying method.</p>
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## Surface Coating System

Substrate	use	Substrate-preparation	Impregnation	Primer coating	Intermediate coating 1)	Final coating
Wood, wood-based materials	interior	grind/clean	–	Capacryl Holz-IsoGrund <sup>2)</sup>	PremiumCare 2K-Lack	PremiumCare 2K-Lack
Dimensionally stable wooden components	outside	BFS Nr. 18	Capacryl Holz SchutzGrund	Capacryl Holz-IsoGrund <sup>2)</sup>		
Iron, steel	interior	derust/clean	–	Capalac 2K-EP-Haftgrund or Disbon 481 EP-Uniprimer		
Iron, steel	outside	derust/clean	–	Capalac 2K-EP-Haftgrund or Disbon 481 EP-Uniprimer		
Zinc	interior/outside	BFS Nr. 5	–	Capacryl Haftprimer		
Aluminum/copper	interior/outside	BFS Nr. 6	–	Capacryl Haftprimer		
Rigid PVC	interior/outside	BFS Nr. 22	–	Capacryl Haftprimer		
Sound old coatings <sup>3)</sup>	interior/outside	grind	Prepare and prime damaged areas according to the respective substrates	Capacryl Haftprimer		

- 1) According to BFS Leaflet No. 18, two intermediate coats are required on dimensionally stable wood components.  
 2) Always use Capacryl Holz-IsoGrund on wood with water-soluble, discoloring ingredients, coat knots 2 x.  
 3) In case of powder coatings, coil coatings and other critical substrates, always test surfaces and check adhesion beforehand.

Consumption	Approx. 100 - 120 ml/m <sup>2</sup> The consumption values are guide values which may vary depending on the substrate and substrate properties. Exact consumption values can only be determined by prior test coatings.			
Workability	2 hours at 20 °C. Higher temperatures shorten, lower temperatures extend the pot life.  <b>Caution. The end of the pot life is not recognizable. Exceeding the pot life as well as over- or undercuring (too much, too little or no hardener added) leads to drastic limitation of the product properties.</b>			
Application Conditions	<ul style="list-style-type: none"> <li>■ Material, circulating air and substrate temperature: min. 5 °C (favorable range: 10 to 25 °C)</li> <li>■ Relative humidity: ≤ 80%</li> </ul>			
Drying/Drying Time	At 20 °C and 65 % relative humidity.	dust-dry	paintable	dried through
	After hours	1 – 2	10 – 12	48
Tool Cleaning	Lower temperatures and higher humidity delay the drying times. Clean tool after use with water and wetting agent, e.g. Gescha Multi-Star. It is recommended the wearing of nitrile gloves.			

## Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

### Mass

May cause allergic skin reactions. If medical advice is needed, have container or label at hand. Keep out of the reach of children. Avoid inhalation of mist or vapor. 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. Caution. Spraying may produce hazardous respirable droplets. Do not inhale aerosol or mist.

Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

Advice for allergy sufferers: hotline 0800/1895000 (free of charge from a German landline).

### Hardener

# TECHNICAL INFORMATION NO. 499

May cause allergic skin reactions. Harmful by inhalation. May irritate the respiratory tract. Harmful to aquatic organisms, with long lasting effects. Do not inhale vapor/aerosol. Do not get in eyes, on skin or on clothing. Use only outdoors or in well ventilated areas. Avoid release to the environment. Wear protective gloves/eye protection. If you feel unwell, call a POISON CENTER/doctor.

Contains hexane, 1,6-diisocyanate, homopolymer, polyethylene glycol mono-methyl ether-blocked. Contains isocyanates. May cause allergic reactions.

Advice for allergy sufferers: Hotline 0800/1895000 (free of charge from German landlines).

The product falls under the Regulations on Biocidal Products (EU) 528/2012 Biocide type: PT 2 - Disinfectants and algacides not intended for direct use on humans and animals.

Expiry date: follow the instructions on the label. Active ingredients: Silver (0.1 g/l), Use biocidal products with care. Always read label and product information before use. Reg. no. (BAuA): N-103365

## Disposal

Only return empty containers for recycling. Dispose of liquid material residues at the collection point for old paints/lacquers, dispose of dried material residues as construction and demolition waste or as municipal or household waste.

## EU limit value for the VOC content

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

## Substances of Content - Declaration

### Mass

Polyacrylate resin, titanium dioxide, silicates, water, glycols, glycol ethers, additives, preservatives, biocides.

## Customer Service Centre

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

## Technical Information No. 499 · Issue: June 2024

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.499 · PremiumCare 2K-Lack · Issued: July 2023