

## ADLER Histo-Protect

5097

Solvent-based, covering wood glaze for professional and industrial use

### PRODUCT DESCRIPTION

#### General

Matt, opaque wood glazing based on natural, long oil and renewable raw materials with very good covering power. The product is characterised by very good weather resistance, permeability and humidity regulation. Environmentally friendly due to a higher solid content and white spirits free of aromatic hydrocarbons. The product is formulated without the addition of biocidal active agents to protect against blue stain and wood-destroying fungi.

#### Special properties and standards

- **DIN 53160-1 bzw. DIN 53160-2** Perspiration and saliva proof properties
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)

#### Application areas



- For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.
- Renovation of old, historic wooden windows and front doors as well as iron parts (fittings) after appropriate first coat.

### PROCESSING

#### Instructions for use

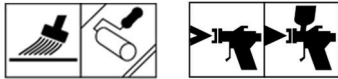


- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C. + 5 °C ist erforderlich.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %. 15 – 25 °C bei einer rel. Luftfeuchtigkeit von 40 – 80 %.
- The flow of resin cannot be avoided based on the coating method.
- Sealants must be compatible with the coat and may only be applied once the paint has dried through.
- Please follow our **ARL 300 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - General part** along with all standards and guidelines for window construction.

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

**Application technique**

11  
↓ ↓ ↓  
8-10m<sup>2</sup>

Application method	Brushing / Rolling	Airless	Airless air-supported (Airmix, Aircoat, etc.)
Application	2x	1x	1x
Spray nozzle (Ø mm)	-	0.23	0.23
Spray nozzle (Ø inch)	-	0.09	0.09
Spraying pressure (bar)	-	80 - 100	80 - 100
Atomized air (bar)	-	-	0,5 – 1,5
Spraying distance (cm)	-	approx. 25	
Wet film (µm)	-	max. 100	
Dilution	80301	80367	
Thinner amount added in %	0 - 10	0 - 10	
Yield per application (g/m <sup>2</sup> ) <sup>1)</sup>	-	max. 200	
Yield per application (m <sup>2</sup> /l)	8 - 10	-	
Dry film complete coating system (µm) <sup>1)</sup>	80 up to max. 140		
<sup>1)</sup> Yield including addition of thinner and loss while spraying			

The product is ready to brush.

The shape, the properties and moisture of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

**Drying times**

(at 23 °C and 50 % rel. humidity)

  
16h

Recoatable	after approx. 16 hours
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The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

To ensure perfect drying, good room ventilation must be provided. Low ventilation, e.g. from dense stacking, delays drying.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

On types of woods rich in extracts (such as oak, iroko), the drying process may take longer.

For good thorough drying, the recommended application quantities must be adhered to. Excessive layer thicknesses lead to a considerable drying delay!

**Cleaning the working equipment**

Immediately after use with KH-Spritzverdünnung 80367 or Adlerol-Terpentinölersatz 80301



80367



80301

**SUBSTRATE****Type of substrate**

Wood in accordance with the guidelines for window construction; Iron and steel (fittings)

**Substrate property**

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Please observe and follow ÖNORM B 2230 Part 1.

See also VOB, Part C, DIN 18363, Paragraph 3; painting and coating work.

Please observe BFS data sheet no. 18.

Any coatings that cannot be recoated must be removed thoroughly.

**Wood moisture**

13 % +/- 2 %

**Wood sanding:**

Hardwoods: grit size 150 – 180  
Softwoods: grit size 100 – 150

**Preparation of the substrate****Wood**

Round off any sharp edges, remove wood extractives such as, for example, resins and pitch pockets.

Clean highly resinous timbers and exotic timbers containing drying retardant components with Nitro-Verdünnung 80001.

**Iron and steel (fittings)**

Remove rust down to bare metal.

Thoroughly remove greasy or oily impurities using Entfetter (degreaser) 80394.

Please observe the relative technical data sheets of the products.

**COATING SYSTEM****General**

The following coating systems are exemplary.

**Impregnation**

If necessary, apply 1 coat of Pullex Imprägnier-Grund 4436 (applies to timbers of durability class 3-5 according to EN 350-2-2) to protect against blue stain, fungal decay and insect infestation.

Intermediate drying: approx. 12 hours

Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.

Please follow our **ARL 340 - Working guideline for the use of wood preservatives**.

<b>Primer coat</b>	1 - 2 x ADLER Histo-Base Weiß 5497 Please observe the relative technical data sheets of the products.
<b>Intermediate sanding</b>	Grit size 240 Remove sanding dust. Intermediate drying time: approx. 6 hours
<b>Finishing coat</b>	1 - 2 x ADLER Histo-Protect 5097



## MAINTENANCE AND RENOVATION

<b>Maintenance and renovation</b>	<p>The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.</p> <p>If required, remove dust and dirt from the still intact areas and paint 1 - 2 x with ADLER Histo-Protect 5097 in the required colour shade.</p> <p>On deep-pored hardwoods, e.g. Oak, Iroko, shorter maintenance intervals must be expected.</p> <p>Please follow our <b>ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – Maintenance and Renovation</b> and our <b>ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and Renovation</b>.</p>
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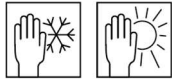
## ORDERING INFORMATION

<b>Size of trading unit</b>	2,5l, 20l				
<b>Colour shades / degrees of gloss</b>	<table border="0"> <tr> <td>Verkehrsweiß RAL 9016</td> <td>5097009016</td> </tr> <tr> <td>Reinweiß RAL 9010</td> <td>5097009010</td> </tr> </table> <p>Other colour shades can be obtained using the <b>ADLER colour mixing system Color4You</b>.</p> <p><b>Base paints:</b></p> <p>Base W15 5097000015 Base W30 5097000030</p> <ul style="list-style-type: none"> <li>• In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.</li> <li>• It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.</li> <li>• White and shades derived from white tend to change the colour tone in artificial lighting. künstlicher Beleuchtung zur Farbtonveränderung. This appearance typical of synthetic resin paints can be reinforced by dark storage and ammonia-containing air.</li> <li>• Please consume blended products within 3 months.</li> </ul>	Verkehrsweiß RAL 9016	5097009016	Reinweiß RAL 9010	5097009010
Verkehrsweiß RAL 9016	5097009016				
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**Color4You**

**Supplementary products**

Nitro-Verdünnung 80001  
 KH-Spritzverdünnung 80367  
 Adlerol-Terpentinölersatz 80301  
 Entfetter 80394  
 Pullex Imprägnier-Grund 4436  
 ADLER Histo-Base Weiß 5497

**OTHER INSTRUCTIONS****Durability / storage**

At least 3 years in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

We recommend to transfer the contents of open containers to smaller ones in order to prevent gelling / skin formation. vermeiden.

**Technical specifications**

VOC content	EU threshold for ADLER Histo-Protect (cat. A/e): 400 g/l (2010). ADLER Histo-Protect contains a maximum of 400 g/l VOC.
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**Product code for paints and varnishes**

BSL10

**Safety-related information**

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet.

Lagerung und Umgang sowie zur Entsorgung finden Sie im dazugehörigen Sicherheitsdatenblatt. The current version can be accessed on the Internet at **[www.adler-lacke.com](http://www.adler-lacke.com)**.

The product is only suitable for the industrial and professional use

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2).

When using cloths that have been soaked with oxidative drying products, there is a risk of spontaneous combustion! Spread soaked cloths out and let them dry; it is necessary to store them in sealed metal containers or under water.