

ADLER Histo-Base

5497

Solvent-based **primer and intermediate coating** for professional and industrial use

PRODUCT DESCRIPTION

General

White primer and intermediate coating based on special synthetic resins, long-oil components and renewable raw materials. The product is characterised by excellent stain-blocking effect on wood, very good anticorrosive performance, very good sandability, high elasticity and high filling power, excellent application properties and very good flow.

Application area



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 priming.

PROCESSING

Processing instructions



- **Spraying is only allowed in spray booths complying with the VOC Directive.**
- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- 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.
- Please follow our **ARL 505 - Working guideline for alkyd resin coatings/-glazes and oils.**

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Brushing	Rolling
Spraying nozzle Ø (mm)	0,23		-	

Spray nozzle (Ø inch)	0,09		-	
Spraying pressure (bar)	80 - 100		-	
Vaporizer Air (bar)	-	0,5 - 1,5	-	
Spraying distance (cm)	25		-	
Applied quantity per application (g/m ²)	75		75 - 95	
Wet film (µm)	100		-	
Dry film complete coating system (µm)	80 – 140	80 – 140	80 – 140	80 – 140

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Recoatable	approx. 6 hour(s)
Sandable	approx. 18 hour(s)

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), drying may be delayed.

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



8014

With KH-Spritzverdünner (8014) immediately after use.

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 the additional documents:

- ÖNORM B 2230-1
- ÖNORM B 3430-1
- DIN 18363
- Current BFS information sheets

Wood moisture	13 % ± 2 %
Substrate preparation	Wood Break sharp edges and remove any wood extractives such as resins and resin galls. Wood sanding Grit size 120 - 150 Clean resin-rich woods and exotic woods with drying retardants with Nitro-Verdünner 8017 (8017). Iron and steel (fittings) Remove rust down to bare metal. Thoroughly remove greasy or oily impurities using Clean Multi-Entfetter (7233). Old coatings: Sand with grit size 120 and clean. Remove old coatings that cannot be recoated. The compatibility of the coating must be checked on intact old coatings.

COATING SYSTEM

General	The following coating systems are exemplary.
Impregnation	If necessary, impregnate outdoors once with Pullex Imprägnier-Grund (4436) (applies to timbers of durability class 3-5 according to EN 350) to protect against blue stain, fungal decay and insect infestation. Intermediate drying time: approx. 12 hours Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use. Please follow our ARL 056 - Working guideline for the use of wood preservatives.
Primer coat	1 – 2 x ADLER Histo-Base (5497)

Intermediate sanding



Grit size 240
Remove sanding dust.

Finishing coat	1 – 2 x ADLER Histo-Protect (5097)
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ORDERING INFORMATION

Size of trading unit	2.5 kg, 20 kg
Colour shades / Glosslevels	Standard colour(s): Weiß (5497050000)
Supplementary products	ADLER Histo-Protect (5097) Clean Multi-Entfetter (7233) KH-Spritzverdünner 8014 (8014)

Nitro-Verdünnern 8017 (8017)
Pullex Imprägnier-Grund (4436)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 3 year(s) 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.

Close opened containers well and use up the content as soon as possible.

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for ADLER Histo-Base (Cat A/i): 500 g/l.
ADLER Histo-Base contains a maximum of 430 g/l VOC.

Giscode

BSL40

Safety information



The product is only suitable for the industrial and professional use.

During sanding use P2 / P3 dust filter. Do not inhale spray mist. Use combination filter A2 / P2 and safety goggles.

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. The current version can be accessed on the Internet at www.adler-lacke.com.