Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

Technical data sheet

Paint runs through our veins.

KH-Fenstertauchgrund 4507

Solvent-based synthetic resin dip-coating primer for industry and trade

PRODUCT DESCRIPTION

General

Fast-drying, reinforcing, white synthetic resin dip-coating primer. Improves the weathering resistance of the coating system through optimal moisture protection and wet adhesion.
The product has been formulated without the addition of aromatic solvents.

Special properties and standards

- The coating is protected against blue stain and mould by a biocidal active substance.

  Active substance:
  2,4 g/kg 0,24 % 3-iodo-2-propynylbutylcarbamate

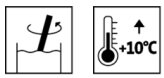
Application area

For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.

The product is not suitable for use on Iroko (also known as Kambala) due to significant retardation of drying.

PROCESSING

Processing instructions



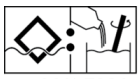
- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- The product is not weather-resistant without a topcoat!
- If there is an increase in viscosity on account of evaporation, this must be balanced out with Adlerol-Verdünner 7231 (7231) (Delivered viscosity: 40 – 50 seconds in a 4 mm measuring cup. Application viscosity after addition of 20 % Adlerol-Verdünner 7231 (7231): 18 - 20 seconds in a 4mm measuring cup. The throughput time should under no circumstances be less than 18 seconds!) Before measuring the wood dust has to be screened.
- After immersion, the immersion basin must be covered since otherwise skin formation may occur. In case of a longer standstill the liquid of the immersion basin should be emptied and the content should be filtered and transferred into containers in order to prevent gelling / skin formation.
- 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.
- 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.

PACHE sarl

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: +43/5242/6922-190, Fax: +43/5242/6922-309, Mail: technical-support@adler-lacke.com

Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

Application technique



	Flow coating	Immersion
Diluent	Adlerol-Terpentinölersatz (7231)	
Diluent amount added (%)	20	
Applied quantity per application (g/m²)	100 - 120	

Attention: Do not spray the product!

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)

Sandable and recoatable:	approx. 16* hour(s)

*with horse chestnut after approx. 24 hours

On types of woods rich in extracts (such as oak, iroko), drying may be delayed.

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.

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

Avoid direct sunlight!

Cleaning the working equipment

With Adlerol-Terpentinölersatz (7231) immediately after use.

PACHE sarl

SUBSTRATE

Type of substrate

Wood in accordance with the guidelines for window construction.

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.

Wood moisture

13 % ± 2 %

Substrate preparation

Wood sanding:

Hardwoods: Grit size 150 - 180
Softwoods: Grit size 100 - 150

COATING SYSTEM

General

The following coating systems are exemplary.

Primer coat

1 x KH-Fenstertauchgrund (4507)

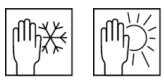
Intermediate drying: approx. 16 hour(s)

Intermediate sanding	Grit size 240 – 280 Remove sanding dust.
Intermediate coat	1 x Aquawood Intercare ISO (5503) or 1 x Aquawood Intercare SQ (5522) or 1 x Aquawood Intercare ES (5501) Intermediate drying time: approx. 4 hours
Intermediate sanding	Grit size 220 – 240 Remove sanding dust.
Finishing coat	1 x Aquawood Covatop XT 20 (5020) or 1 x Aquawood Covapro 20 (5023)
For front doors	To achieve optimal chemical and mechanical resistance, an additional application of Aquawood Protect (5128) (colourless two-component clear coating) is recommended, or alternatively the use of the Aquawood Protor or Aquawood Dura system. Deviations from this system recommendation may lead to reduced surface resistance.

ORDERING INFORMATION

Size of trading unit	6 kg, 32 kg
Colour shades / Glosslevels	**Standard colour(s):** Weiß (4507050000)
Supplementary products	Adlerol-Verdünner 7231 (7231) Aquawood Covapro 20 (5023) Aquawood Covatop XT 20 (5020) Aquawood Intercare ISO (5503) Aquawood Intercare SQ (5522) Aquawood Protect (5128) Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage 	Min. 5 year(s) in the original sealed containers. Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C). 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 KH-Fenstertauchgrund (Cat A/h): 750 g/l. KH-Fenstertauchgrund contains a maximum of 430 g/l VOC.

PACHE sarl

Safety information

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

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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.**

PACHE sarl