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

Technical data sheet

ADLER
Paint runs through our veins.

Aquawood TIG HighRes Holz-Alu 57625

Water-based transparent **wood preservative impregnation** for **wood-aluminium windows and wood-aluminium front doors** for **industrial and professional use**

PRODUCT DESCRIPTION

General

Water-based, ready to use, colourless wood preservative impregnation for softwood species. The product contains effective UV absorbers for absorption of UV radiation and stabilising the wood constituent lignin and therefore protects colourless wood-aluminium windows made of softwood permanently against yellowing.

Special properties and standards

- The active substances used provide the protection required against blue stain (test conforming to EN 152-1) and wood-destroying fungi (test conforming to EN 113), as specified by ÖNORM B 3803 or DIN 68800-3. Application quantity for testing in conformity with the standards 120 g/m² (Certificate of appreciation (05/93).

  Active substances (B, P)
  0.8 % (0.8 g/100 g) iodpropinyl butylcarbamate (IPBC)
  0.4 % (0.4 g / 100 g) Tebuconazole
- Approval as a wood preservative according to the Biocidal Products Directive of the EU.
- Certificate of appreciation (05/93) ARGE Holzschutzmittel (wood preservatives consortium), Association of the Austrian chemical industry.
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas

- Dimensionally stable timber/aluminium components in the outdoor area such as windows and front doors in the usage class 2 and 3 without soil contact.

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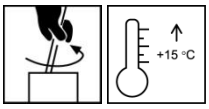
ADLER-Werk Lackfabrik, A-6130 Schwaz
Tel: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Mail: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / 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 takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing 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.

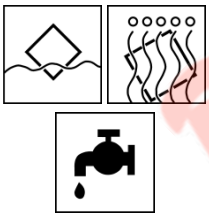
PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- In case of flow coating for a long time, the pH-value reduces and, as a result, there could be sagging problems. Hence, the pH value of impregnations that have already been used must be checked and, if required, corrected to the target pH-value of 8.0 – 9.0 by adding 0.05 – 0.10 % of the neutralisation agent 96149 (the addition of 0.05 % will increase the pH-value up to approx. 0.7 units).
- In case of an increase of viscosity in consequence of evaporation it will be necessary to adjust with water (nominal viscosity: 47 - 51 s in 2 mm cup). Before measuring the wood dust has to be screened.
- On foam generation in the liquid agitation machine we recommend an addition of 0.1 – 0.3 % Entschäumerlösung 90642.
- The treated surfaces must be coated with a suitable top coat to prevent the active substances from being washed out. This surface coating must be maintained continuously.
- Please follow our "**Working guideline for coating dimensionally stable and limited dimensionally stable construction elements**" along with all standards and guidelines for window construction and our **"Guidelines on the use of wood preservatives"**.

Application technique



Application method	Immersion	Flow coating
Dilution (thinning)	water	
Thinner amount added in %	up to max. 20 %	
Yield per application (g/m)[2)1)]	100 - 120	
[1)] Yield including addition of thinner.		

Attention: Do not spray product!

Attention: If the product is sprayed on in exceptional cases, an A2/P3 respirator mask must be used.

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.

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Drying times
(at 23 °C and 50 % rel. humidity)

Recoatable at room temperature:	after approx. 4 hours
Recoatable after forced drying: 20 min dripping 50 min drying stage (35– 40°C) 20 min cooling stage	after approx. 90 minutes

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.

Avoid direct sunlight (very quick drying).

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe 95125.

SUBSTRATE

Type of substrate

Softwoods according to guidelines for window construction

Substrate property (or condition)

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

Dimensionally stable components: 13 % +/- 2 %

COATING SYSTEM

Primer

1 x Aquawood TIG HighRes Holz-Alu 57625

Intermediate coat

1 x Aquawood Intermedio 53663
or
1 x Aquawood Intermedio HF 53769

1 x Aquawood Intermedio ISO 53730 when using the Aquawood Softfeel 59101 top coat.

Please observe the relative technical data sheets of the products.

Intermediate sanding

Grit size 220 – 240

Topcoat

Aquawood DSL Farblos Holz-Alu 51985

Alternatively:
Aquawood Softfeel 59101

Please observe the relative technical data sheets of the products.

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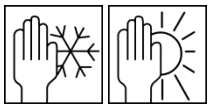
ORDERING INFORMATION

Size of trading unit	5 l, 25 l	
Colour / degree of gloss	Farblos (Colourless)	57625
Supplementary products	Aquawood DSL Holz-Alu 51985 Aquawood Softfeel 59100 Aquawood Intermedio 53663 Aquawood Intermedio HF 53769 Aquawood Intermedio ISO 53730 ADLER Aqua-Cleaner 80080 ADLER Abbeizer Rote Krähe 95125 ADLER Top-Cleaner 51696 ADLER Neutralisationsmittel 96149 ADLER Entschäumerlösung 90642	

FURTHER DETAILS

Durability/storage



At least 1 year in the original sealed containers.

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

Technical specifications

Delivery viscosity	Approx. 11 sec. in accordance with DIN 53211 (4-mm-cup, 20 °C) or approx. 47 - 51 s (2-mm-cup)
VOC content	EU threshold for Aquawood TIG HighRes Holz-Alu (cat. A/f): 130 g/l (2010). Aquawood TIG HighRes Holz-Alu contains maximum 70 gm./l VOC (Volatile Organic Compounds).

Safety-related information

Please follow our “Guidelines on the use of wood preservatives” and the associated safety data sheet! The current version can be retrieved from the Internet at **www.adler-lacke.com**

The product is only suitable for industrial and professional use.

Aquawood TIG HighRes Holz-Alu contains active biocidal substances to protect against blue stain and wood-destroying fungi. The product should therefore only be used when protection of the wood is prescribed or in specific cases when it is necessary.

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