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Technical data sheet

ADLER
Paint runs through our veins.

Aquawood TIG U 57600 ff

Water-based **wood preservative impregnation** for wooden windows and doors for industrial and professional use.
It has been matched as a system with a **3-coat structure** using Aquawood Intermedio and Aquawood DSL Q10 M

PRODUCT DESCRIPTION

General

Water-based wood preservative impregnation with particularly luminescent appearance on porous types of wood.

Special properties and standards

- The active substances used provide the protection required against blueing (Test conforming to EN 152-1) and fungus that destroys wood (Test conforming to EN 113), as specified by ÖNORM B 3803 or DIN 68800-3. Coating quantity for testing in conformity with the standards is approx. 200 gm/m²(Approval certificate no. 5/93).

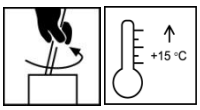
  Active Substances (B, P)
  0,8 g/100 g % IPBC (Iodpropinylbutylcarbamat)
  0,0012% Permethrin
- **French Ordinance DEVL1104875A** regarding the labeling of construction coating products with respect to their emission of volatile pollutants: A+

Application area

- Dimensionally stable wooden components such as wooden windows and front doors or garage gates made of hardwood

PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product, object and the room temperature must be at least +15 °C.
- Optimal temperature while dip-coating or flow-coating is between 15 - 25°C with a relative atmospheric humidity between 40 - 80%.
- The product is not weather-resistant without a topcoat!
- 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 8.00 – 9.00 by adding 0.10 – 0.20 % of the neutralisation agent

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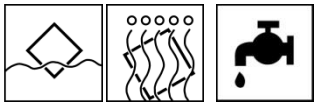
Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability 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 modification of the container sizes, colour shades and degree of gloss.

96149 (the addition of 0,1% will increase the pH-value up to approx. 0,6 units).

- In case of an increase of viscosity in consequence of evaporation it will be necessary to adjust with water (nominal viscosity: 45 - 50 s in 2mm- cup). Before measuring the wood dust has to be screened.
- Thin it with up to 20 % water for better spread, above all, when using dark colour shades or under unfavourable conditions (increased temperatures or low atmospheric humidity). Compensate evaporation losses by adding water.
- On foam generation in the liquid agitation machine we recommend an addition of 0,1 – 0,3% Entschäumerlösung 90642.
- Please follow our "**Working guideline for coating dimensionally stable and limited dimensionally stable construction elements**" along with all standards and guidelines for window construction.

Application technique



Application method	Immersion (or dipping)	Flow-coating
Dilution (thinning)	Water	
Thinner amount added in %	up to 20%	
Yield per application (gm/m^2) [1)]	100 - 120	

[1)] Yield including addition of thinner

Attention: Do not spray the product!

If the product is sprayed under exceptional circumstances, please ensure that a breathing mask type A2/P3 is used.

The shape and properties of the substrate and wood moisture 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)

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 90 min

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, coat thickness, temperature, air exchange and relative atmospheric humidity.

Avoid direct sunlight (very quick drying).

Cleaning the working equipment

With water immediate after use.

Remove flashed-off coat residues using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer 95125.

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	SUBSTRATE
Type of substrate	Wood in accordance with the guidelines for window construction
Substrate property (or condition)	The substrate must be dry, clean, capable of holding the paint and free of grease, wax and wood dust.
Wood moisture	Stable structures: 13 % +/- 2 %
	COATING SYSTEM
Primer coat	**Softwood:** 1x Aquawood TIG U färbig (coloured) 57601 ff 4 hours of drying time **Hardwood:** 1x Aquawood TIG U färbig (coloured) 57601 ff 4 or 5 hours of drying time Please observe the relative technical data sheets of the products.
Intermediate coat	**Softwood:** 1x Aquawood Intermedio 53663 or 1x Aquawood Intermedio HF 53769 using the immersion or flow coating method (compare with the technical data sheet) At least 2 hours of drying time **Hardwood:** 1x Aquawood Intermedio ISO 53613 Wet-film thickness 100 - 125 µm 2 hours of drying time Please observe the relative technical data sheets of the products.
Intermediate sanding	**Softwood and hardwood:** Sanding grain size 220 – 240 Remove the wood dust.
Topcoat	**Softwood:** 1x Aquawood DSL Q10 SG 59198 ff or 1x Aquawood DSL Q10 M 51751 ff without thinning, with wet-film thickness 250 - 275 µm **Hardwood, Iroko and Larch:** 1x Aquawood DSL Q10 SG 59198 ff or 1x Aquawood DSL Q10 M 51751 ff Wet-film thickness 225 - 250 µm Please observe the relative technical data sheets of the products

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MAINTENANCE & RENOVATION

Maintenance

The storage stability depends on several factors. These include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour shades applied.
Preservation work must be carried out in time for a long period of storage stability. Annual maintenance is recommended for this purpose.

Windows:
Cleaning with ADLER Top Cleaner 51696 and preservation using ADLER Top Finish 51697 in the ADLER Pflegeset-Plus preservative kit 51695.

Front doors:
Cleaning with ADLER Top Cleaner 51696 and preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset front door preservative ki- (51709).

Please observe the relative technical data sheets of the products.

Renovation

Renovation with Pullex Aqua-DSL 51501 ff or, in case of greyed wood, with Pullex Renovier-Grund 50236 ff and Pullex Fenster-Lasur 50413.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit

5 l; 25 l; Farblos (colourless) also available in 100 l

Colour / Degree of gloss

Standard colour:

Farblos (colourless) (for brightening)	57600
Dunkelbraun /Dark brown	57601
Braun /Brown	57602
Eiche Mittel /Medium oak	57603
Kastanie /Chestnut	57604
Nuss /Nut	57605
Mittelbraun /Medium brown	57606
Ebano	57607
Eiche /Oak	57608
Kiefer /Pine	57610
Lärche /Larch	57611
Palisander /Rosewood	57612
Ciliegio	57613
Carrara	57614

Other colour shades can be obtained using the **ADLER colour blending system ADLERMix** by mixing.

Base paint:

W30	57622

Available on request

Maigrün/May green	57609
Kiefer Dunkel/Dark pine	57618
Nuss rötlich/Reddish nut	57619
Mahagoni/Mahogany	57620
Wenge	57621

- All colour shades can be blended with one another.
- Use Aquawood TIG U Farblos (colourless) 57600 only for brightening and for the insides!

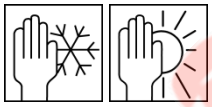
- **The final colour shade is basically obtained from the inherent colour of the wood, the colour shade of the impregnation and the colour shade of the glaze finish topcoat applied** (compare with the colour shade chart).
- In the case of impregnations of the same colour shade designation, there is a slight difference in the colour shade between Aquawood TIG U and the other impregnations, HighRes U, Aquawood TIG HighRes FJ, Aquawood TIG E or E 01 (formerly Corá) on account of the formulation.
- The preparation of a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade is recommended.
- In order to lay particular emphasis on the wood structure, the colour shade of Aquawood TIG selected should be darker than that in the case of Aquawood DSL Q10 M.

Supplementary products

Aquawood DSL Q10 M 51751 ff
Aquawood DSL Q10 SG 59198 ff
Aquawood Intermedio 53663
Aquawood Intermedio ISO 53613
Aquawood Intermedio HF 53769
ADLER Top-Cleaner 51696
ADLER Top-Finish 51697
ADLER Door-Finish 51700
ADLER Pflegeset-Plus 51695 (Preservative kit)
ADLER Haustürenpflegeset 51709 (Front door preservative kit)
Pullex Aqua-DSL 51501 ff
Pullex Renovier-Grund 50236 ff
Pullex Fenster-Lasur 50413
ADLER Neutralisationsmittel 96149
ADLER Entschäumerlösung 90642

FURTHER DETAILS

Durability / Storage



At least 1 year in the original sealed containers.

Store it such that it is protected against moisture, direct sunlight, frost and high temperatures (above 30°C).

Technical specifications

Delivery viscosity	11 sec. in accordance with DIN 53211 (4 mm cup, 20°C) or 45 – 50 sec. in accordance with DIN 53211 (2 mm cup, 20°C)
VOC content	EU limit value for Aquawood TIG U (Cat. A/e): 130 g/l (2010). Aquawood TIG U contains maximum 60 g/l VOC (Volatile Organic Compounds).

Safety-related information

Please take note of the guidelines for the use of wood preservatives and respect the associated safety data sheet! The latest version can be retrieved from the Internet at **www.adler-lacke.com**.

Aquawood TIG U contains biocide substances to provide protection against blueing and fungal decay. Hence, it must be used only when protection of the wood is prescribed or in specific cases when it is necessary.