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Technical data sheet

ADLER
Paint runs through our veins.

Pullex 2in1 Top-Color 4430

Solvent-based, **opaque wood varnish** for DIY and commercial use

PRODUCT DESCRIPTION

General

Universal, silk-matt, opaque wood varnish based on high-quality, long-oil binders for exterior use. The product can be used as a primer and top coat and is characterised by very good weather resistance, excellent workability and very good drying properties. Open to diffusion, moisture-regulating, environmentally friendly due to its high solids content. The product has a low odour due to the use of aromatic-free white spirit as a solvent.

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-Iod-2-propinylbutylcarbamat

Application area

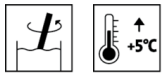
For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates.

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

For new coatings and particularly for the renovation of exterior wood.

PROCESSING

Processing instructions



- 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.
- For new timber components we recommend an all-over coating.
- Apply a thin coat to horizontal wooden parts to avoid flaking due to excessive layer thickness.
- Resin flow cannot be avoided by the coating.
- Water-soluble wood extracts can be leached particularly by driving rain. This can be minimized by an all-over coating and additional sealing of the end grains.
- 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.

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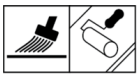
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied 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.

- For weathering levels 1, 2 and 3 (see **ARL 504 - Working guideline for the coating of non-dimensionally stable and limited dimensionally stable components - maintenance and repair**), no primer is required for refurbishment.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**
- 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 340 - Wood preservation of dimensionally stable and limited dimensionally stable components in accordance with DIN 68800**.
- Please follow our **ARL 505 - Working guideline for alkyd resin coatings/-glazes and oils.**

Application technique



	Brushing	Rolling
Diluent	Adlerol-Terpentinölersatz (7231)	
Diluent amount added (%)	0 - 5	
Applied quantity per application (ml/m²)	80 - 100	

The product is ready to use.

An additional 40 % material consumption is to be expected on rough sawn timber.

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.

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

Drying times

(at 23 °C and 50 % rel. humidity)

Recoatable after	approx. 12 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.

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.

Cleaning the working equipment

With Adlerol-Terpentinölersatz (7231) immediately after use.

SUBSTRATE

Type of substrate

Softwoods and hardwoods as well as plywood materials, which are suitable for the exterior, such as, for example, solid wooden boards, glued laminated timber (GLT or Glulam) and solid structural timber (SST).

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.

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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
- BFS data sheet no. 18.

Wood moisture

Hardwoods: 12 ± 2 %

Softwoods: 15 ± 2 %

Substrate preparation

For optimal durability we recommend to sand smooth wooden surfaces with grain size 80 – 120 in the direction of the fibre, clean thoroughly and remove wood extractives such as, for example, resins and resin pockets.

Clean resin-rich woods and exotic woods with drying retardants with Nitro-Verdünner 8017 (8017).

Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).

COATING SYSTEM

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: approx. 12 hour(s)

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 x Pullex 2in1 Top-Color (4430)

Intermediate sanding

Slight smooth sanding: Grit size 240

Remove sanding dust.

Finishing coat

1 x Pullex 2in1 Top-Color (4430)

MAINTENANCE

Care

The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary .

If required, remove dust and dirt from the still intact areas and paint 1 - 2 x with Pullex 2in1 Top-Color (4430) in the required colour shade.

On deep-pored hardwoods, e.g. Oak, Iroko, shorter maintenance intervals must be expected.

Maintenance

Please follow our **ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Repair.**

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ORDERING INFORMATION

Size of trading unit

750 ml, 2,5 l, 10 l

Colour shades / Glosslevels

Color4You

Standard colour(s):
W10 Weiß, tönbar (4430000010)

Other colour shades can be obtained using the **ADLER colour mixing system Color4You.**

Base paint(s):
Pullex 2in1 Top-Color W10 Weiß, tönbar (4430000010)
Pullex 2in1 Top-Color Basis W30 (4430000030)

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.

In order to ensure uniformity of the colour shade, use only material having the same batch number on a given commission.

Please consume blended products within 3 months.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

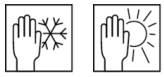
Supplementary products

Adlerol-Terpentinölersatz (7231)
Aviva Fungisan (8308)
Nitro-Verdünner 8017 (8017)
Pullex Imprägnier-Grund (4436)

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).

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: EU limit for Pullex 2in1 Top-Color (Cat A/e): 400 g/l.
Pullex 2in1 Top-Color contains maximum 400 g/l VOC.

Giscode

BSL20

Declaration of ingredients according to VdL-RL 01

alkyd resins / inorganic white and coloured pigments / organic pigments / aliphatic compounds / interface additives / wetting agent / light stabilisers / anti-skin agent / drying agents (siccatives) / 3-Iod-2-propinylbutylcarbamat

Contains 3-iodo-2-propynyl butylcarbamate. May cause allergic reactions.

Information for allergy sufferers under telephone no. +43 5242 6922-713.

Safety information

During sanding use P2 / P3 dust filter.

If the product comes into contact with your eyes, rinse immediately with water and consult a doctor!

Keep out of the reach of children.

Ensure good ventilation during application and drying.

During work, do not eat, drink or smoke.

Repeated contact can lead to chapped or cracked skin.

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Do not allow to enter drains, water courses or soil.

Only dispose of empty containers for recycling. Dried material leftovers can be disposed of as household waste. Dispose of liquid material residues at the recycling center or the mobile collection of harmful substances.

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.

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.**

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