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Technical data sheet

ADLER
Paint runs through our veins.

Pullex Aqua-Color 5325

Water-based, **opaque wood coating** for DIY and professional use

PRODUCT DESCRIPTION

General

Diffusion-open and moisture-regulating, water-based, opaque wood coating for DIY and commercial use for exterior use based on acrylate and alkyd resin dispersions. Very good weather resistance.

Special properties and standards

- The coating is protected against algae and fungal decay by a biocidal active substance.

  Active substance:
  2.4 g/kg (0.24 %) 3-Iod-2-propinylbutylcarbamat

- **Colour fastness as per BFS data sheet no. 26**
  Class A
  Group 1-3 (depending on colour)

Application area

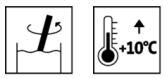
For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates.

Preferred for the new coating of wood in outdoor areas.

For the renovation of old oil coatings we recommend Pullex Color (4403).

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.
- 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.
- Early exposure to water from rain or dew must be prevented!
- For application by brushing an acrylic brush is recommended.
- Carefully cover and mask areas which are not to be coated.
- 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

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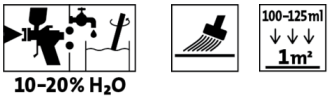
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied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

problems as well as to impairments with regard to weathering and color stability.

- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**

Application technique



	Cup gun	Brushing
Spraying nozzle Ø (mm)	1,8 - 2,0	-
Spraying pressure (bar)	2,0 - 2,5	-
Diluent	Water	-
Diluent amount added (%)	10 - 20	-
Applied quantity per application (ml/m²)	100 - 125	

Caution: If the product is sprayed, an A2/P3 respirator mask must be used.

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 after	approx. 6 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. To ensure perfect drying, good room ventilation must be provided. Low ventilation, e.g. from dense stacking, delays drying.

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

Avoid direct sunlight!

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using Abbeizer Rote Krähe Extrem (8314).

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.

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.

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Wood moisture	**Hardwoods:** 12 ± 2 s **Softwoods:** 15 ± 2%
Substrate preparation	For optimal durability, we recommend sanding smooth wooden surfaces with grit size 80 in the direction of the fiber, cleaning them thoroughly and removing wood extractives, such as resin and pitch pockets. Round off any sharp edges. Clean resinous timbers containing drying retardant components with Nitro-Verdünner 8017 (8017). Sand and/or leach intact old coating. Remove old coatings that cannot be recoated. Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).

COATING SYSTEM

Impregnation	If necessary, impregnate outdoors once with Pullex Aqua-IG (5357) (applies to timbers of durability class 3-5 according to EN 350-2) to protect against blue stain, fungal decay and insect infestation. Intermediate drying time: approx. 4 hours Please follow our **ARL 056 - Working guideline for the use of wood preservatives.**
Primer coat	**For colored shades:** 1 x Pullex Aqua-Color (5325) Intermediate drying: approx. 6 hour(s) **White & pastel colours:** 1 – 2 x Aqua-Isoprimer PRO (4123) Intermediate drying time: approx. 4 hours or 1 – 2 x Aqua-Isoprimer CT PRO (4162) Intermediate drying time: approx. 6 hours Full development of the insulating effect after drying overnight.
Intermediate sanding	If necessary, grind the primed surface with grit size 240 – 280. Remove sanding dust.
Intermediate coat	1 x Pullex Aqua-Color (5325) Only necessary for white and lighter pastel colours!
Finishing coat	1 x Pullex Aqua-Color (5325)

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 x using Pullex Aqua-Color (5325). On deep-pored hardwoods, e.g. Oak, Iroko, shorter maintenance intervals must be expected.

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

ORDERING INFORMATION

Size of trading unit	750 ml, 2.5 l, 10 l
Colour shades / Glosslevels Color4You	**Standard colour(s):** W10 Weiß, tönbar (53331) RAL6005 (53339) Other colour shades can be obtained using the **ADLER colour mixing system Color4You.** **Base paint(s):** Pullex Aqua-Color W10 Weiß, tönbar (53331) Pullex Aqua-Color Basis W20 (53332) Pullex Aqua-Color Basis W30 (53334) Pullex Aqua-Color Basis Gelb (53335) Pullex Aqua-Color Basis Rot (53336) In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface. 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. Please consume blended products within 12 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	Abbeizer Rote Krähe Extrem (8314) Aqua-Isoprimer CT PRO (4162) Aqua-Isoprimer PRO (4123) Aviva Fungisan (8308) Nitro-Verdünner 8017 (8017) Pullex Aqua-IG (5357) Pullex Color (4403) 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). 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 Aqua-Color (Cat A/e):130 g/l. Pullex Aqua-Color contains maximum 50 g/lVOC.
Giscode	BSW50
Declaration of ingredients according to VdL-RL 01	Acrylic copolymer dispersion / Alkyd resin / Inorganic white and colored pigments / organic pigments / Mineral fillers / Water / Glycols and glycol ethers / Rheology, interface and wetting agent additives / Preservatives Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 3-Iod-2-propinylbutylcarbamate. May cause allergic reactions. **Information for allergy sufferers under telephone no. +43 5242 6922-713.**

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Safety information

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).

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.

If medical advice is needed, have the packaging or label ready.

If the product comes into contact with your eyes, rinse immediately with water.

It should be kept out of reach of children.

Ensure proper ventilation during and after application.

During work, do not eat, drink or smoke.

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

Only dispose of empty containers for recycling, liquid material residues can be disposed of as water-based paint waste, dried material residues as hardened paint or as household waste.

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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