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Technical data sheet

Paint runs through our veins.

Pullex Aqua-Terra 5347

Wood stain coating, Cradle to Cradle Certified®, for DIY and professional use

PRODUCT DESCRIPTION

General

Water-based wood stain coating with a proportion of renewable raw materials for interior and exterior use. The easy-to-apply product produces matt surfaces with a natural appearance and pleasant feel. When applied correctly, Pullex Aqua Terra provides very good water protection for vapour-permeable thin-film systems as well as very good durability in accordance with EN 927.
The low-VOC product is formulated without the addition of aromatic solvents and plasticisers.

Special properties and standards

- Does not contain any active substances of chemical wood- and film preservatives.
- **ÖNORM EN 71-3**
  Confirmed by an external test certificate.
  Safety of toys; migration of certain elements (free of heavy metals).
- **DIN 53160-1 and DIN 53160-2**
  Perspiration and saliva-proof properties
- **declared product in baubook**
  Criteria of the "Baubook Ökologisch ausschreiben" fulfilled
- **Cradle to Cradle Certified® Silver**
  Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.
- **French ordinance DEVL1104875A**
  Confirmed by an external test certificate.
  Marking of construction coating products for their emission of volatile pollutants: A+

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.

Interior timber components made of softwood, such as wall and ceiling elements.

Particularly suitable for apiaries.

We recommend Pullex Bodenöl (4402) for terrace floors and landing stages.

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ADLER-Werk Lackfabrik, A-6130 Schwaz
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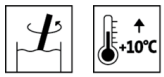
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied 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.

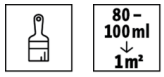
PROCESSING

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 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- For new wooden components, we recommend priming on all sides
- Early exposure to water from rain or dew must be prevented!
- Resin flow cannot be avoided by the coating application.
- 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.
- Residual plaster (high level of alkalinity) or ferrous dust (rust formation) may lead to black discoloration on larch wood and other types of wood rich in extracts.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- Smooth, planed wooden surfaces are less absorbent and should be given a third coat if necessary.
- 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.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**

Application technique



	Brushing
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.

Drying times

(at 23 °C and 50 % rel. humidity)

Recoatable	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.

Avoid direct sunlight!

Cleaning the working equipment

With water immediately after use.

To remove dried product residues we recommend using Clean Abbeizer-Express (8313).

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SUBSTRATE

Type of substrate

Softwoods

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.

Please observe the additional documents:

- ÖNORM B 2230-1
- DIN 18363
- BFS data sheet no. 18.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Wood moisture

15 % ± 2 %

Substrate preparation

Wood, wood-based materials inside

Break sharp edges and remove any wood extractives such as resins and resin galls.

Wood, wood-based materials outside

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. Round off any sharp edges.

Clean resinous timbers containing drying retardant components 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 Aqua-IG (5357) (applies to timbers of durability class 3-5 according to EN 350) to protect against blue stain, fungal decay and insect infestation.

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 Aqua-Terra (5347)

Intermediate drying: approx. 6 hour(s)

Intermediate sanding

If necessary: Slight smooth sanding: Grit size 220 – 280

Remove sanding dust.

Finishing coat

1 x Pullex Aqua-Terra (5347)

MAINTENANCE

Care

The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of

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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 using Pullex Aqua-Terra (5347) in lighter colour shades.

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

0.75 l, 2.5 l

Colour shades / Glosslevels

Color4You

Base paint(s):
Pullex Aqua-Terra Basis W30 (5347000030)

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

The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.

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 with the same batch number on a given surface.

Apply exclusively pigmented colour shades to ensure a good weather resistance.

Medium colour shades have the best weathering resistance; colours that are too light or too dark should be avoided if exposed to extreme weathering.

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.**

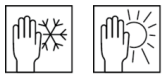
Supplementary products

Clean Abbeizer-Express (8313)
Clean Aqua-Cleaner 8029 (8029)
Aviva Fungisan (8308)
Nitro-Verdünner 8017 (8017)
Pullex Aqua-IG (5357)
Pullex Bodenöl (4402)

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: Limit value according to Directive 2004/42/EC for Pullex Aqua-Terra (Cat A/e): 130 g/l.
Pullex Aqua-Terra contains a maximum of 30 g/l VOC.

Giscode

Ö20

Declaration of ingredients according to VdL-RL 01

alkyd resins / water / inorganic white and coloured pigments / organic pigments / wetting agent / surface additive / rheology additives / interface additives / in-can preservation agents

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Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May cause allergic reactions.

Information for allergy sufferers available at Tel. +43 5242 6922-713.

Safety information

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust.

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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