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Technical data sheet

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Paint runs through our veins.

Pullex Imprägnier-Grund 4436

Solvent-based wood preservative impregnation for DIY, professional and industrial use

PRODUCT DESCRIPTION

General

Solvent-based wood preservative impregnation with biocidal active ingredients for exterior wood. The product is formulated without aromatic solvents and without cobalt-containing siccatives.

Special properties and standards

- **Approval as a wood preservative (PT8)**
  according to the Biocidal Products Directive of the EU.
- **Registration number:**
  Austria: AT-0030901-0000 | Czech Republic: CZ-0031557-0000 | Germany: DE-0029779-08 | Greece: ΤΠ8-0161 | Latvia: LV/2024/SB/001 | Poland: PL/2024/0647/MR/SBP | Slovakia: SK23-001 | Slovenia: SI-0030567-0000 | Swiss: CH-2022-0033
- **Certificate of appreciation (06/93)**
  ARGE Holzschutzmittel (wood preservatives consortium), Association of the Austrian chemical industry
- **ÖNORM B 3802-2 or DIN 68800-3**
  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 3802-2 or DIN 68800-3, and also prevent insect infestation (test according to EN 46). Confirmed by an external test certificate.
  Active substances: B, P, Iv, W

  Active ingredients:
  5.0 g/kg (0.50 %) 3-Iod-2-propinylbutylcarbamat
  0.6 g/kg (0.06 %) Permethrin (ISO)
  2.0 g/kg (0.20 %) Tebuconazol

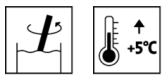
Application area

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 in the usage classes 2 and 3 without ground contact.

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 %.

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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.

- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- The product is not weather-resistant without a topcoat!
- 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 read and take note of our **ARL 500 – Working guidelines for the coating of components that are not dimensionally stable or have limited dimensional stability – General section** and **ARL 056 – Working guidelines for the use of wood preservers**
- Please follow our **ARL 340 - Wood preservation of dimensionally stable and limited dimensionally stable components in accordance with DIN 68800**.

Application technique

	Brushing	Rolling	Dipping*	Spray tunnel*
Total application quantity on softwood (ml/m²)			160	
Total application quantity on hardwood (ml/m²)			225	

* Dipping and spray tunnels not suitable for DIY

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	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

Hardwoods and 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.

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

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Please observe the additional documents:

- ÖNORM B 3430-1
- ÖNORM B 2230-1
- DIN 18363
- Current BFS information sheets

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. Round off any sharp edges.

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

Pullex Imprägnier-Grund (4436)

Intermediate drying: approx. 12 hour(s)

Please follow our **ARL 056 - Working guideline for the use of wood preservatives.**

Primer, intermediate coat and finishing coat

Depending on application area: e.g.: Pullex Plus-Lasur (4415) / Pullex Top-Lasur (4421) / Pullex Holzöl (4410) / Pullex Fenster-Lasur (4405) / Pullex Color (4403) / Vivido Alkyd-Primer (4501) / Vivido Samtalkyd (4514) / Vivido Brilliantalkyd (4503)

Drying time: at least 24 hours

ORDERING INFORMATION

Size of trading unit

750 ml; 2.5 l; 5 l; 20 l; 200 l

Colour shades

Standard colour(s):
Farblos (4436000200)

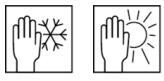
Supplementary products

Adlerol-Verdünner 7231 (7231)
Vivido Alkyd-Primer (4501)
Aviva Fungisan (8308)
Vivido Brilliantalkyd (4503)
Nitro-Verdünner 8017 (8017)
Pullex Color (4403)
Pullex Fenster-Lasur (4405)
Pullex Plus-Lasur (4415)
Pullex Holzöl (4410)
Pullex Top-Lasur (4421)
Vivido Samtalkyd (4514)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 1 year(s) in the original sealed containers.

For containers below 25 l, the shelf life is 2 years.

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

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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.

Giscode

HSL10

Declaration of ingredients according to VdL-RL 01

alkyd resins / aliphatic compounds / glycol ether / biocides / anti-skin agent / drying agents (siccatives)

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

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

Safety information

Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.

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.

Wood that has been freshly treated with Pullex Imprägnier-Grund (4436) must be stored on an impermeable, hard surface after coating to prevent residues of the product from penetrating the ground or any bodies of water. Any leaking product must be collected for reuse or disposal.

Pullex Imprägnier-Grund (4436) contains biocidal agents to protect against blue stain and wood-destroying fungi and helps to prevent insect infestations. The product should therefore only be used when protection of the wood is prescribed or in specific cases when it is necessary.

Do not use for wood that will be made into apiaries or sauna complexes and do not use for wood that will be in permanent contact with soil and/or water.

Not suitable for wood that could come into direct contact with farm animals (e.g. in stables or fencing for pastures).

Must not be used for the treatment of rooms in which food or animal feed is obtained, produced, stored or sold.

Keep cats away from treated surfaces as they are highly sensitive to permethrin.

Pyrethroids and pyrethrins may cause paraesthesia (burning and stinging of the skin without
visible irritation). If symptoms persist, seek medical advice.

Paint brush/roller application – professional users:

Only use in open-air settings or in well-ventilated rooms.

Keep children and pets away from the treated surfaces until they are dry.

Do not use in the vicinity of bodies of water or in water protection areas.

Make sure that the environment does not become contaminated during use of the wood preserver or while it is drying. Any spilled product must be contained by covering the ground in an appropriate way, e.g. using a tarpaulin, and should then be safely disposed of.

The product contains hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatic compounds, for which the workplace exposure limit (WEL) applicable in Germany in accordance with the Technical Rules for Hazardous Substances 900 (TRGS 900) must be complied with.

Ensure good ventilation. Use mechanical ventilation or keep the windows and doors open (to create a through draught). Air exchange rate of 5/hour minimum.

If applying the product with a paintbrush or roller, you should wear chemical-resistant protective gloves which meet the requirements of European standard EN 374 (the person who has gained approval should enter details of the material used for the gloves in the product information sheet).
During subsequent manual processing of the freshly treated wood, chemical-resistant protective gloves should be worn and these should meet

the requirements of European standard EN 374 (the person who has gained approval should enter details of the material used for the gloves in the product information sheet).
This requirement applies without prejudice to the implementation of Council Directive 98/24/EC and other EU provisions in the field of health and safety in the workplace by employers.

Brushing/rolling – non-professional users

Only use in open-air settings or in well-ventilated rooms.

Keep children and pets away from the treated surfaces until they are dry.

Make sure that the environment does not become contaminated during use of the wood preserver or while it is drying. Any spilled product must be contained by covering the ground in an appropriate way, e.g. using a tarpaulin, and should then be safely disposed of.

Manual dip coating – only by industrial and professional users

All industrial application procedures should be carried out in a restricted area on a hard surface with side barriers to prevent material from running out and there should be a recovery system in place (e.g. a tray to catch residual material).

Application by professional users must take place in the restricted area (inside room, under a roof).

Freshly treated wood is to be stored on an impermeable, hard surface until it has completely dried to prevent material from entering the soil, the groundwater or any bodies of water and to ensure that any spilled product is recycled or disposed of.

Be sure to prevent any release of the product into the environment during application, as well as during storage and transport of the treated wood.

The product contains hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatic compounds, for which the workplace exposure limit (WEL) applicable in Germany in accordance with the Technical Rules for Hazardous Substances 900 (TRGS 900) must be complied with.

When applying the product by means of manual dip coating, chemical-resistant gloves should be worn and these should meet the requirements of European standard EN 374 (the person who has gained approval should enter details of the material used for the gloves in the product information sheet). A protective suit must also be worn which is of at least type 6 according to European standard EN 13034.
During subsequent manual processing of the freshly treated wood, chemical-resistant protective gloves should be worn and these should meet the requirements of European standard EN 374 (the person who has gained approval should enter details of the material used for the gloves in the product information sheet).
This requirement applies without prejudice to the implementation of Council Directive 98/24/EC and other EU provisions in the field of health and safety in the workplace by employers.

Automatic dip coating – only by industrial and professional users

All industrial application procedures should be carried out in a restricted area on a hard surface with side barriers to prevent material from running out and there should be a recovery system in place (e.g. a tray to catch residual material).

Application by professional users must take place in the restricted area (inside room, under a roof).

Freshly treated wood is to be stored on an impermeable, hard surface until it has completely dried to prevent material from entering the soil, the groundwater or any bodies of water and to ensure that any spilled product is recycled or disposed of.

Be sure to prevent any release of the product into the environment during application, as well as during storage and transport of the treated wood.

The product contains hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatic compounds, for which the workplace exposure limit (WEL) applicable in Germany in accordance with the Technical Rules for Hazardous Substances 900 (TRGS 900) must be complied with.

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Filling the container may only be done with the help of an automatic dosing system.

During automatic dip coating, chemical-resistant protective gloves should be worn and these should meet the requirements of European standard EN 374 (the person who has gained approval should enter details of the material used for the gloves in the product information sheet).
During subsequent manual processing of the freshly treated wood, chemical-resistant protective gloves should be worn and these should meet the requirements of European standard EN 374 (the person who has gained approval should enter details of the material used for the gloves in the product information sheet).
This requirement applies without prejudice to the implementation of Council Directive 98/24/EC and other EU provisions in the field of health and safety in the workplace by employers.

Spray tunnel process – only for professional and industrial use

All industrial application procedures should be carried out in a restricted area on a hard surface with side barriers to prevent material from running out and there should be a recovery system in place (e.g. a tray to catch residual material).

Application by professional users must take place in the restricted area (inside room, under a roof).

Freshly treated wood is to be stored on an impermeable, hard surface until it has completely dried to prevent material from entering the soil, the groundwater or any bodies of water and to ensure that any spilled product is recycled or disposed of.

Be sure to prevent any release of the product into the environment during application, as well as during storage and transport of the treated wood. Filling the container may only be done with the help of an automatic dosing system.

The product may only be used with spray tunnel systems that have a device for automatically transporting the freshly treated wood to an automated stacking system or into a drying system, so that manual contact with the freshly treated wood is avoided.

When spraying automatically, chemical-resistant gloves that meet the requirements of European standard EN 374 (the material of the gloves must be specified by the authorisation holder in the product information) and a protective suit of at least type 6 in accordance with European standard EN 13034 must be worn.

When manually processing the freshly treated wood, chemical-resistant gloves that comply with the requirements of European standard EN 374 must be worn. The material of the gloves must be specified by the authorisation holder in the product information.

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.**