Pache SARL - 64 Route de Gravin, 74300 Magland
04 50 89 57 17 contact@pache-adler.fr
www.pache-adler.fr

Technical data sheet

ADLER
Paint runs through our veins.

Lignovit Protect-Primo 5359

Water-based **protective wood impregnation treatment** for industry and trade
Optimised for use with Lignovit Protect-Primo

PRODUCT DESCRIPTION

General

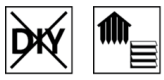
Water-based, colourless, protective wood impregnation treatment with biocidal agents, specially formulated for softwoods used in outdoor settings. Contains light stabilisers to absorb UV radiation and stabilise the lignin in the wood. Uniform absorption, especially on softwoods.

Special properties and standards

- **Approval as a wood preservative (PT8)**
  according to the Biocidal Products Directive of the EU.
- **Certificate of appreciation (01/19)**
  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 agents:
  9.0 g/kg (0.90 %) 3-Iod-2-propinylbutylcarbamat
  1.0 g/kg (0.10 %) Permethrin (ISO)
  2.5 g/kg (0.25 %) Tebuconazol
  0.5 g/kg (0.05 %) Polymeres Betain

Application area



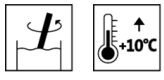
For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates, etc. in usage classes 2 and 3 without ground contact.

Particularly suitable for the wood types spruce and larch.

In the case of highly resinous Siberian larch and cedar, the durability of the coating system may be reduced on planed wood.

PROCESSING

Processing instructions



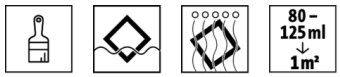
- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: +43/5242/6922-190, Fax: +43/5242/6922-309, Mail: technical-support@adler-lacke.com

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!
- The treated surfaces must be coated with a suitable topcoat to prevent the active substances from being washed out. This surface coating must be maintained continuously.
- 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 056 - Working guideline for the use of wood preservatives.**

Application technique



	Paintbrush application	Roller application	Flow coating	Dip coating	Spray tunnel
Quantity required per application (ml/m²)	80 - 125				

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 after	approx. 4 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.

Avoid direct sunlight!

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

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.

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

Wood moisture	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

General	The following coating systems are exemplary.
Impregnation	1 x Lignovit Protect-Primo (5359) Intermediate drying time: approx. 4 hour(s)
Primer coat	1 x Lignovit Protect-Finish (5320) Intermediate drying time: approx. 4 hours
Intermediate sanding	If necessary, sand the surface using grit size 220 - 280. Remove sanding dust.
Finishing coat	1 x Lignovit Protect-Finish (5320)

ORDERING INFORMATION

Size of trading unit	4 l, 22 l, 120 l, 600 l
Colour shades	**Standard colour(s):** Farblos (5359000200)
Supplementary products	Aqua-Cleaner 8029 (8029) Aviva Fungisan (8308) Lignovit Protect-Finish (5320) Nitro-Verdünner 8017 (8017) Please refer to the corresponding technical data sheets of the products.

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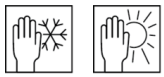
FURTHER DETAILS

Durability / storage



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

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

Giscode

HSW10

Safety information

The product is only suitable for the industrial and professional use.

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

Wood that has been freshly treated with Lignovit Protect-Primo (5359) 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.

Lignovit Protect-Primo (5359) 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 indoors.

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

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).

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

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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