

Lignovit TWP 094i

5203

Water-based wood preservative impregnation for professional and industrial use
System-matched with the Lignovit product range

PRODUCT DESCRIPTION

General

Water-based, colourless wood preservative impregnation containing biocidal active substances for exterior wood. Uniform absorbency, particularly on softwoods.

Special properties and standards

- **Approval as a biocidal product (PT 8, wood preservative)**
according to Regulation (EU) No 528/2012
- **Proven efficacy in accordance with EN 599-1**
The product provides preventive protection against blue stain fungi (EN 152) and wood-destroying fungi (EN 113) for applications in use classes 2 and 3 in accordance with EN 335 and acts preventively against insect infestation (test in accordance with EN 46).
Meets the efficacy requirements of ÖNORM B 3803 or DIN 68800-3.
Efficacy: B, P, Iv, W; additionally T in selected countries.
Active substance(s):
7.5 g/kg 0.75 % 3-iodo-2-propynylbutylcarbamate
2.5 g/kg 0.25 % Permethrin (ISO)

Application area



Non-dimensionally stable and limited-dimensionally stable wooden components for exterior use, such as wooden houses, timber cladding, canopies, profiled boards, shutters, balconies or gates in Use Classes 2 and 3 without ground contact.

PROCESSING

Processing instructions

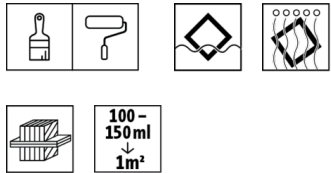


- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- 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 colour shade 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**

Application technique



	Flow coating	Immersion	Brushing	Rolling	Vacuum coater
Applied quantity per application (ml/m²)	100 - 150				

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)



Subsequent coating	approx. 24 hour(s)
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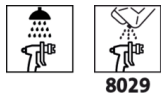
The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

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 Clean Aqua-Cleaner (8029) (diluted 1:1 with water).

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.

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 containing drying retardant components 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 TWP 094i (5203)

Intermediate drying time: approx. 24 hour(s)

Finishing coat

Depending on application area: e.g.: Lignovit Lasur (5315) / Lignovit Color BQ (5200) / Lignovit Speed L (5374) / Lignovit Speed D (5375) / Lignovit Spritzfertig (5353) / Lignovit Platin (5318)

ORDERING INFORMATION**Size of trading unit**

4l; 22l; 600l

Colour shades

Standard colour(s):
Farblos (5203000200)

Supplementary products

Aviva Fungisan (8308)
Clean Aqua-Cleaner 8029 (8029)
Lignovit Color BQ (5200)
Lignovit Speed L (5374)
Lignovit Speed D (5375)
Lignovit Lasur (5315)
Lignovit Platin (5318)
Lignovit Spritzfertig (5353)
Nitro-Verdünner 8017 (8017)

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

FURTHER DETAILS**Durability / storage**

Min. 1.5 year(s) in the original sealed containers.

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

Close opened containers well and use up the content as soon as possible.

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 TWP 094i (5203) 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 TWP 094i (5203) 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.

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

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**.
