



Technical Data Sheet



[Z] DecoTec® 5110 ImpregnationOil BioProtect X

Product Description

Product Type

Natural wood oil-primer respectively impregnation for wooden surfaces outdoors

- » Deep penetration into the wood
- » Excellent impregnation- and protection effect
- » Environmentally friendly natural wood oil
- » Film preservatives inside
- » Very fast drying

Area of Application

Protection and decorative finishing for non-dimensionally stable wooden components without earth contact in the outside area, especially recommended for facades, wooden terraces, garden furniture and other, universal wooden areas in the outside area.

Timbers with high levels of resin and water-soluble ingredients, as well as knots can cause discoloration of the coating. Knots can cause reduction in adhesion. Furthermore, levels of resin and water-soluble ingredients in the substrate can reduce the absorption/covering of water-based coatings on the substrate. Resinous pores are not to be classified as a coating defect.

Technical Data

Base of Binder	Natural Oil
Active Ingredient	0,1 - 0,25% terbutryn 0,1 - 0,25% octhilinone (ISO)
Color	Colorless

Processing Instructions

Application Methods

Spraying, Rolling, Brushing

Spraying

Spraying process	Nozzle [mm]	Pressure [bar]	Atomiser [bar]
Airless / Airmix	0,18 – 0,23	50 – 80	0 – 2,0
Low Pressure Air Spraying	1,0 – 1,5	2,0 – 2,5.	./.

» Can be sprayed up to a maximum wet-film thickness of 100 µm*. After approx. 20 minutes drying time, you have to equalise the oil evenly. Avoid thick layers.

*Depending on processing conditions, the maximum wet-film thickness may be less in individual cases! The maximum wet film thickness to be expected for standing surfaces will be lower than for lying surfaces.



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Processing Conditions

Brushing, Rolling

- » Apply evenly with a brush or surface brush until the fiber saturation. Excess oil after approx. 20 min. remove with a cloth, avoid layer formation.
- » Substrate must be dry, and free of dust and grease.
- » Wood moisture max. 20%
- » Approx. 20 °C for substrate, material und environment, approx. 50% relative air humidity.
- » Do not process below 15 °C or more than 30 °C.
- » Stir material before use; avoid inclusion of air.
- » To avoid skin formation, always keep containers tightly closed.
- » To remove any paint-particles, that may have formed, filter the paint with a sieve with mesh size of 125 µm (e.g. quick sieve).
- » [Z] DecoTec® 5100 can applied to the row wood and must be in the follow-up coat with [Z] DecoTec® 5433 or [Z] DecoTec® 5434
- » Usually, the wood oil is applied in two steps. Take care for the drying time between the steps.
- » Do not paint in the direct sunlight.
- » Note the special information under point: Additional information
- » The protection of the wood is to be ensured by a recurring maintenance order from [Z] DecoTec® 5433 or [Z] DecoTec® 5434, depending on the load and local climatic conditions. In general, one coat of care is sufficient within 1-3 years. For technical reasons, colored versions have increased weather resistance.
- » The protective effect and the color intensity are influenced by the number of layers.
- » Recommendation: Allow new patio wood to weather for 2 weeks before painting. Carefully clean older patios with water and let them dry before applying a care coat. If necessary, sand rough areas with fine sandpaper.

Product Consumption

50 – 110 ml / m² per work step, depending on the absorbency of the type of wood and the way of working

Drying Time

(20 °C / 50% relative Air Humidity)

Can be worked over after approx. 6-10 h

Ingredient-rich types of wood can slow down the drying process. Drying time depends on applied quantity and ambient conditions. Low and high humidity retard drying. Always ensure adequate temperature and air exchange.

Cleaning of the Tools

Immediately after use with [Z] ZowoPlast® 1130 SolventCleaner or White spirit.

System Products

Impregnation	[Z] DecoTec® 5110 ImpregnationOil BioProtectX
Intermediate Coat	[Z] DecoTec® 5433 TopOil BioWeatherProtectX [Z] DecoTec® 5434 TopOil BioDeckingProtectX
Top Coat	[Z] DecoTec® 5433 TopOil BioWeatherProtectX [Z] DecoTec® 5434 TopOil BioDeckingProtectX

Steps of coating exemplary. The respective technical data sheets of the products must be observed.

Standard Steps of Coating

1 x [Z] DecoTec® 5110 ImpregnationOil BioProtectX

2 x [Z] DecoTec® 5433 TopOil BioWeatherProtectX



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Type of Packaging

10 Liters

Additional Information

Special Information

- » Perform a test coating. Check color before use. Subsequent claims cannot be considered. Wood ingredients can cause discoloration!
- » Use only one batch per layer and color tone!
- » Please observe Berger-Zobel steps of coating!
- » Wash hands and contaminated skin after use!
- » Change contaminated cloth as fast as possible
- » Moisten soaked rags, pads and other tools with water or in keep a lockable bucket and dispose of it in a fire-safe manner self-ignition hazard.
- » The product itself is not self-igniting.

Information for spray processing

- » Do not absorb vapours and dusts in the air, through you breathe!
- » Vapours and dusts are able to self-ignition, note explosion protection!
- » Carry out regular cleaning / replacement of the exhaust air filter!

VOC-Labeling

EU-limit for the product (Cat. A/e): 400 g/l (2010)
This product contains maximum < 400 g/l VOC

Minimum Shelf Life

24 months cool but free of frost in the closed original packaging.

Safety Instruction

Always read label and product information before use. Please observe the usual precautions during processing and storage. For safety-relevant data and instructions on disposal refer to the Material Safety Data Sheet.

All information provided is state of the art. Because of the large number of options for use and processing, however obligation and liability must be ruled out. With the appearance of new versions, previous editions lose their validity.