



Technical Data Sheet



[Z] DecoTec® 5446 TopOil 2in1 UVPlusX

Product Description

Product Type

Natural wood oil for outdoors

- » Excellent care effect through deep penetration into the wood
- » High solid
- » Highly weather-resistant
- » Environmentally friendly natural wood oil
- » Very good UV-protection
- » Protects the wood ideally and maintains its natural look
- » Makes the wooden surface dirt- and water-repellent
- » Can be used pigmented and colorless
- » Intermediate- and top coat in one product

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 waterborne coatings on the substrate. Resinous pores are not to be classified as a coating defect.

Technical Data

Base of Binder

Natural oil

Pigmente

Strong weather-resistant and lightfast inorganic and organic colored pigments

Color

- » Color-Line Nature and special colors based on [Z] DecoTec® 5446 Base DEL. Integrated into the Berger-Zobel Color Mixing System.
- » Color of coating structure results through the 2-time application of the [Z] DecoTec® 5446.
- » Color can be influenced by timber-species, -quality, -humidity and processing conditions.

Density

Approx. 0,9 g/ml

Viscosity

Approx. 14 s (DIN 53211- 4mm, 20 °C)

Processing Instructions

Surface Pretreatment

- » Sand the wood to be oiled with grain size 120.
- » Water the entire wood surface.
- » 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 grain size 120.

Application Method

Brushing



Technical Data Sheet

Processing Viscosity Processing Conditions

- » Normally, the wood oil is processed in two steps with appropriate intermediate drying.
 - » Apply evenly with a brush or surface brush until the fiber saturation. After approx. 20 minutes drying time, you have to equalise the oil evenly. Avoid thick layers.
- Ready to use
- » Substrate must be dry, 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, mesh size 125 µm (e.g. quick sieve).
 - » [Z] DecoTec® 5446 can be applied on the raw wood or on wood, impregnated with [Z] DecoTec® 5110 or [Z] ZowoTec® 11
 - » Usually, the wood oil is applied in two steps. Take care for the drying time between the steps.
 - » Protect freshly painted wood from rain.
 - » Do not paint in the direct sunlight.
 - » The protection of the wood is to be ensured by a recurring maintenance order from [Z] DecoTec® 5446, depending on the load and local climatic conditions. In general, one renovation paint is sufficient within 1-3 years.
For technical reasons, colored versions have increased weather-resistance. Colorless and highly transparent coating systems require more maintenance.
 - » 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.
 - » In the case of garden furniture, the undyed version [Z] DecoTec® 5446 transparent is preferred.

Product Consumption

40 - 70 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 walked on carefully after approx. 10-14 h
- » Can be worked over after approx. 24-45 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 SolvCleaner or white spirit.

System Products

Impregnation	[Z] DecoTec® 5110 ImpregnationOil BioProtectX [Z] ZowoTec® 118 Impregnation ProtectX
Intermediate coat	[Z] DecoTec® 5446 TopOil 2in1 UVPlusX
Top coat	[Z] DecoTec® 5446 TopOil 2in1 UVPlusX

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

Standards Steps of Coating

1 x [Z] DecoTec® 5110 ImpregnationOil BioProtectX



Technical Data Sheet

2 x [Z] [Z] DecoTec® 5446 TopOil 2in1 UVPlusX

Type of Packaging

3 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 no. per layer and color tone!
- » Please observe Berger-Zobel steps of coating!
- » 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!

Service Interval

Due to the non-layer-forming nature, we recommend a half-yearly revision / maintenance with natural wood oil for heavily used areas

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 Instructions

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.