



Technical Data Sheet



[Z] DecoTec® 5450 TopCoat COLOR 2in1

Product Description

Product Type

Water-based, opaque weather protection color

- » Extra durable weather protection
- » Block-resistant
- » Color is used as primer and top coat in two processing steps; in case of spraying application as single-layer coating
- » Intermediate and top coat in one product

Area of Application

- » For non-dimensionally stable timber elements without ground contact indoors and outdoors, such as Carports, roof soffits, wooden ceilings, log and garden houses, facades, folding shutters, fences. Not suitable for garden furniture and floors such as deckings.
- » 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.

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Base of Binder

Acrylate

Pigments

High weather-resistant and lightfast inorganic and organic colored pigments

Color

- » RAL colors and special colors based on [Z] DecoTec® 5450 Base A, B and C. Integrated into the ZOBEL Color Mixing System
- » Color can be influenced by timber-species, -quality, -humidity and processing conditions.

Gloss Level

Matt

Density

Approx. 1,3 g/ml

Viscosity

Thixotropic

Processing Instructions

Application Method

Spraying, rolling, brushing

Spraying

Spraying process	Nozzle [mm]	Pressure [bar]	Atomiser [bar]
Airless / Airmix	0,23 – 0,33	50 – 100	0 – 3,5
Low Pressure Air Spraying	1,8 – 2,7	2,5 – 3,5.	./.

Can be sprayed up to a wet-film thickness of 200 µm*, recommended wet-film thickness approx. 175 µm

* Depending on the color and the processing conditions, the actuating capacity may be less than the nominal value in individual cases.



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With an application of more than 200 µm per layer, the drying time can be significantly extended and the paint performance, such as adhesion and hardness, can be negatively affected.

Rolling and brushing

Apply the product in 2 work steps. Take care of the drying time between each step.

Ready to use. If necessary can be thinned with max. 5% water (preferably demineralized water).

- » Substrate must be dry, and free of dust and grease
- » Moisture content of the wood max. 13%
- » 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 well before use; avoid the 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).

Brush/Roll: approx. 90 ml/m² per work step

Spraying: approx. 175 ml/m² at a wet-film thickness of 175 µm (without overspray)

Dust-dry: approx. 1 hour / can be worked over: approx. 4 hours

Drying time depends on applied quantity and ambient conditions. Low temperature and high humidity retard drying. Always ensure adequate temperature and air exchange.

Immediately after use with water or [Z] ZowoSmart® HydroCleaner

Processing Viscosity

Processing Conditions

Product Consumption

Drying Time

(20 °C / 50% relative Air Humidity)

Cleaning of the Tools

System products

Impregnation [Z] ZowoTec® 118 Impregnation ProtectX

Primer [Z] ZowoTec® 260 Primer White

[Z] ZowoTec® 263 Primer WhiteProtectX

Intermediate coat [Z] DecoTec® 5450 TopCoat COLOR 2in1

Top coat [Z] DecoTec® 5450 TopCoat COLOR 2in1

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

Standard Steps of Coating

1 x [Z] ZowoTec® 118 Impregnation ProtectX

1 x [Z] ZowoTec® 260 Primer White

1 bis 2 x [Z] DecoTec® 5450 TopCoat COLOR 2in1 (depending on the type of application)

Type of Packaging

20 Liters, further packaging units on request



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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!

VOC-Labeling

EU-limit for the product (Cat. A/e): 130 g/l (2010)
This product contains maximum < 130 g/l VOC

Minimum Shelf-Life

12 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.