

Technical Data Sheet



[Z] Deco-tec® 5450 Weather Protection Color

Product Description

Product Type

Water-based, opaque, block resistant, extra durable* weather protection. In case of brush and roll application the Weather Protection Color is used as primer and top coat in two processing steps; when spray applied as single layer coating.

*Up to 12 years long life protection, dependant on the pigments, durability and construction, and correct processing. Lifespan is reduced; especially if coated elements are subjected to extreme weathering and high humidity over a long period of time. The surface coating is to be checked on an annual basis, and if necessary repaired according to maintenance recommendations.

Area of Application

For non-dimensionally stable timber elements without ground contact indoors and outdoors, such as balcony boards, carports, roof soffits, block and garden houses, facades, fences.

Not recommended for use on garden furniture or terrace floors/decking.

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.

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Base of Binder

Acrylate

Pigments

Strong weatherproof and lightfast inorganic and organic colored pigments

Color

RAL 9016 traffic white. RAL colors and special colors based on [Z] Deco-tec® 5450 Basis A, B and C. Integrated into ZOBEL Color Mixing System

Color can be influenced by timber-species, -quality, -humidity and processing conditions.

Gloss Level

Silk matt

Density

Ca. 1,3 g/ml (depending on color)

Viscosity

Thixotropic setting

Processing Instructions

Application Method

Brushing, rolling, spraying

Spraying process	Nozzle [mm]	Pressure [bar]	Atomiser [bar]
Airless / Airmix	0,28 – 0,33	50 – 100	0 – 3,5
Low Pressure Air Spraying	1,8 – 2,7	2,5 – 3,5	./.

Recommended wet-film thickness ca. 175 µm. Please observe ZOBEL steps of coating!

Please observe ZOBEL steps of coating! Perform a test coating. Check color before use. Subsequent claims can not be considered.

Processing Viscosity

Ready to use. Check viscosity. If necessary, can be thinned with water

Processing Conditions

- Substrate must be dry, clean, load bearing and free from separating substances
- Moisture content of the wood ca. 13 %
- Ca. 20 °C for substrate, material und environment, ca. 50% relative air humidity
- Do not process below 15 °C or more than 30 °C
- Stir material well before use; avoid inclusion of air
- Protect freshly painted wood from rain

Product Consumption

- Brush, roll: Ca. 90 ml/m² per application
- Spraying: Ca. 175 ml/m² at a wet-film thickness of 175 µm (without overspray)

Drying Time

Dust dry: ca. 1 hour / can be worked over: ca. 4 – 6 hours

(20 °C / 50% relative air humidity)

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

Cleaning of the tools

Immediately after use with water or Zowo-Clean Hydro Cleaner

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Additional Information

VOC-Labeling

Minimum Shelf-Life

Maintenance interval

Safety Instructions

EU-limit for the product (Cat. A/d): 130 g/l (2010)

This product contains maximum < 130 g/l VOC

12 months cool but free of frost in the closed original packaging

For strongly weathered areas recoating is recommended after 3 years.

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.

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