



Technical Data Sheet



[Z] DecoTec® 5425 UniCoat 2in1 Impregnation

Product Description

Product Type

Water-based, not layer-forming multi-layer glaze

- » Primer and top coat in one system
- » Deep penetration into the wood
- » Not layer-forming, the substrate retains its natural appearance
- » Early block-resistant
- » Protects against graying
- » Versatile use
- » Can also be used as primer under [Z] DecoTec® products

Area of Application

For non-dimensionally stable timber elements, which do not come into contact with soil. For in- and outdoor application.

- » Protection of timber elements for later painting over with [Z] DecoTec® products, e.g. wooden houses, facades, fences.
- » Coloring primer in the coating system with glazing [Z] DecoTec® products
- » Wooden components with high maintenance requirements, such as handrails, garden houses, fences, railings, terrace floors

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

Hybrid system of alkyd and acrylate

Pigments

Strong weatherproof and lightfast inorganic and organic colored pigments

Color

» Color-Line Nature, Color-Line Classic and special colors based on [Z] DecoTec® 5425 Base DEL. Integrated into ZOBEL Color Mixing System.

» The color shade of the coating systems results after two applications of the [Z] DecoTec® 5425

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

Density

Approx. 1,02 g/ml

Viscosity

Approx. 11 seconds (DIN 53211-4 mm / 20 °C)

Processing Instructions

Application Method

Brushing, Vacumat, Spray-/Brush-Automat

When used as a multi-layer coating [Z] DecoTec® 5425 is processed in 2 – 3 steps with appropriate intermediate drying. Apply material with excess; remove excess material with a brush.



Technical Data Sheet

Processing Viscosity

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

Processing Conditions

- » Must not come into contact with solvents, otherwise the dispersion can flocculate.
- » Substrate must be dry, free of dust and grease.
- » Moisture content of the wood approx. 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 air inclusion
- » 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).
- » Protect freshly painted wood from rain

Product Consumption

50 – 80 ml/m² for each working step depending on absorbency of the wood and working method

Drying Time

(20 °C / 50 % relative Air Humidity))

» Can be painted over after 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.

Cleaning of the Tools

Immediately after use with water or ZowoSmart® HydroCleaner

System Products

| | |
|-------------------|--|
| Impregnation | [Z] ZowoTec® 118 Impregnation ProtectX |
| Primer | [Z] DecoTec® 5425 UniCoat 2in1 Impregnation |
| Intermediate Coat | [Z] DecoTec® 5420 UniCoat 2in1 MS AntiBlock [Z] DecoTec® 5421 UniCoat 2in1HS [Z] DecoTec® 5425 UniCoat 2in1 Impregnation |
| Top Coat | [Z] DecoTec® 5420 UniCoat 2in1 MS AntiBlock [Z] DecoTec® 5421 UniCoat 2in1HS [Z] DecoTec® 5425 UniCoat 2in1 Impregnation |

Exemplary steps of coating. The respective technical data sheets for the products must be observed.

Standard Steps of Coating

- 1 x [Z] ZowoTec® 118 Impregnation ProtectX
- 2 - 3 x [Z] DecoTec® 5425 UniCoat 2in1 Impregnation

Type of Packaging

20 liters, further packaging units on request

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 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



Technical Data Sheet

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.