

Technical Data Sheet



[Z] DecoTec® 5426 UniCoat 3in1 Impregnation ProtectX

Product Description

Product Type

Waterborn, biocidal multi-layer coating

- » Impregnation, primer and top coat in one system
- » Deep penetration into the wood
- » No layer building, the substrate retains its natural effect
- » Early block resistant
- » Protect against graying
- » Versatile use
- » With biocidal equipment according to EN 113 and EN 152-1 against blue stain and wood-destroying fungi
- » The wood preservative is suitable for both the initial coating of wood and refreshment of gray wood
- » Can also be used as impregnation or primer under [Z] DecoTec® products

Area of Application

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

- » Temporary protection of timber elements for later over painting with [Z] DecoTec® products, e.g. wooden houses
- » Coloring impregnation in coating system with weather protection glaze, color
- » 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 waterborne 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

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0,25 – 0,5 % tebuconazole (ISO)

0,5 – 1,0 % 3-iodo-2-propynyl butylcarbamate

Pigments

Strong weatherproof and lightfast inorganic and organic colored pigments

Color

» Color-Line Nature, Color-Line Classic and special colors based on [Z] DecoTec® 5426 Base DEL. Integrated into ZOBEL Color Mixing System.

» Color of coating structure results through the 2 – 3 time applying of the [Z] DecoTec® 5426.

» 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)

Technical Data Sheet

Processing Instructions

Application Method

Brushing, Vacumat, Spray-/Brush-Automat

[Z] DecoTec® 5426 is intended for industrial and professional use.

Industrial: Automated Spray-/Brush-Automat

Professional: Brush.

When used as a multi-layer coating [Z] DecoTec® 5426 is processed in 2 – 3 steps with appropriate intermediate drying. Apply material with excess; remove excess material with a brush.

Processing Viscosity

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

Processing Conditions

- » To avoid flocculation, may not get in contact with solvents.
- » 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).
- » Protect freshly painted wood from rain
- » Wear suitable protective clothing (coverall, gloves, footwear) when applying the product and when handling freshly treated timber. Avoid excessive contamination of coveralls.
- » Handle product and freshly treated wood in areas with good ventilation.
- » Wash hands and exposed skin before meals and after use.
- » Keep in a safe place.

Industrial use

Application processes must be carried out within a contained area, situated on impermeable hard standing with bunding to prevent run-off and a recovery system in place (e.g. sump).

Professional use

Application by brushing must be carried out within a contained area and situated on an impermeable surface. Storage of treated wood must either be under cover with a recovery system in place or on an impermeable surface. Do not contaminate foodstuffs, eating utensils or food contact surfaces. This material and its container must be disposed of in a safe way

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 recoated 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

Primer

[Z] DecoTec® 5426 UniCoat 3in1 Impregnation ProtectX

Intermediate coating

[Z] DecoTec® 5426 UniCoat 3in1 Impregnation ProtectX

[Z] DecoTec® 5420 UniCoat 2in1 MS AntiBlock

Technical Data Sheet

Top coating [Z] DecoTec® 5421 UniCoat 2in 1 HS
[Z] DecoTec® 5426 UniCoat 3in1 Impregnation ProtectX
[Z] DecoTec® 5420 UniCoat 2in1 MS AntiBlock
[Z] DecoTec® 5421 UniCoat 2in1 HS

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

Standard Steps of Coating

2 - 3 x [Z] DecoTec® 5426 UniCoat 3in1 Impregnation ProtectX

Type of Packing

20 liter, further packaging units on request

Additional Information

Special Information

- » Perform a test coating. Check color before use. Subsequent claims can not be considered. Wood ingredients can cause discoloration!
- » Use only one batch no.per layer and color tone!
- » Please observe ZOBEL steps of coating!
- » 3-Iodo-2-Propynyl-N-Butylcarbamate a carbamate compound which has weak anticholinesterase activity. **DO NOT USE** if under medical advice not to work with anticholinesterase compounds.

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.

Use biocides with care. Wood which will be in contact with food or fodder according to its intended use must not be treated with wood preservatives. The substance and product remnants must not come into waters, the soil or the canalisation. Contains Propiconazole, 3-Iodo-2-propynyl-N-butylcarbamate und 1,2-Benzisothiazol-3(2H)-one. May cause allergic reactions. Wood preservatives contain biocidal agents for protecting the wood against pest. They may only be used according to the instructions for use and only in the approved fields of application. Misuse can cause damage to health and to the environment.

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.