



Technical Data Sheet



[Z] DecoTec® 5439

UniCoat 3in1 Impregnation ProtectXT

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
- » Protects against graying
- » Versatile use
- » With biocidal equipment against blue stain and Termite
- » 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

- » [Z] DecoTec® 5439 offers preventive protection against Termite and blue stain. Suitable for wooden parts not exposed to static stress and which do not come into contact with soil. For outdoor application.
- » Protection of wooden components when used as a primer and top coat, e. g. Log or garden houses, facades, fences
- » Color-giving primer in the coating structure with translucent [Z] DecoTec® products
- » Wooden components with high maintenance requirements, e.g. B. handrails, railings, terrace floors, panels, play equipment
- » Long-term protection requires an intact coating. Therefore, coated elements have to be controlled on a regularly basis, including the repair of damages on short notice.
- » 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.

[Z] DecoTec® 5439 may only be used outside of the EU member states or in countries which are not subject to the (EU) No 528/2012 Biocidal Products Regulation.

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Base of Binder

Hybrid system of Alkyd and Acrylate

Active Agent

0,6% de propiconazol, 0,0005% permethrin

Pigments

Strong weather-resistant and lightfast inorganic and organic colored pigments

Color

- » Color-Line Nature, Color-Line Classic and special colors based on [Z] DecoTec® 5439 Base DEL. Integrated into ZOBEL Color Mixing System.
- » Color of coating structure results through the 2 – 3 time applying of the [Z] DecoTec® 5439.
- » Color can be influenced by timber-species, -quality, -humidity and processing conditions.

Density

Approx. 1,0 g/ml



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Viscosity

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

Processing Instructions

Application Method

Brushing

Processing Viscosity

When used as a multi-layer coating [Z] DecoTec® 5439 is processed in 2 – 3 steps with appropriate intermediate drying. Apply material with excess; remove excess material with a brush.

Processing Conditions

- Ready to use. If necessary, can be thinned with max .5% water (preferably demineralized water).
- » 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 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
 - » 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® 5439 UniCoat 3in1 Impregnation ProtectXT

Intermediate coat

[Z] DecoTec® 5439 UniCoat 3in1 Impregnation ProtectXT

[Z] DecoTec® 5420 UniCoat 2in1 MS AntiBlock

[Z] DecoTec® 5421 UniCoat 2in1 HS



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Top coat [Z] DecoTec® 5439 UniCoat 3in1 Impregnation ProtectXT
[Z] DecoTec® 5420 UniCoat 2in1 MS AntiBlock
[Z] DecoTec® 5421 UniCoat 2in1 HS

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

Standard Steps of Coating

2 - 3 x [Z] DecoTec® 5439 UniCoat 3in1 Impregnation ProtectXT

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

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. 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.