

## Technical Data Sheet



# Zowo-tec<sup>®</sup> 421

## Glaze UV<sup>+</sup>, colourless (Basis EL)

### Product Description

Product Type

Water-based, early block resistant, UV-resistant, colorless intermediate and final coating with excellent transparency and brilliancy, emphasizing the natural wood grain. Protection of the unpigmented film and substrate by special UV absorbers and radical scavengers.

Area of Application

In coating structure with pigmented primer for dimensionally stable timber elements (e.g. windows, doors), in- and outdoors. Zowo-tec<sup>®</sup> 421 is applied as protective clearcoat for the intermediate coating Zowo-tec<sup>®</sup> 380 metallic in the scope of Metallic-Line Basic. Highly-dosed UV-protection allows a classification of the colorless glaze as "medium color".

### Technical Data

Base of Binder

Low molecular, self-curing multiphase polymer on basis of an acrylate

Color

Colorless and color tones white spruce ("weißfichte", only for wood species spruce), white larch ("weißlärche", only for wood species larch), color collection Color-Line Nature (here Zowo-tec<sup>®</sup> 421 is especially recommended for the color shades maple ("ahorn") and pine ("kiefer")) and special colors based on Basis EL. Delivery form when ordering "colorless" is Basis EL.

Color of coating structure results through the interaction with the color of the primer. Also when processed as a colorless top coat, Zowo-tec<sup>®</sup> 421 has to be applied in combination with a pigmented primer.

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

Gloss Level

Silk gloss, half gloss or matt

Density

Ca. 1,04 g/ml

Viscosity

Thixotropic setting

### Processing Instructions

Application Method

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 300 µm\*. Please observe ZOBEL steps of coating! \*Depending on color and processing conditions, the maximum wet-film thickness may be less in individual cases. Perform a test coating. Check color before use. Subsequent claims can not be considered. Wood ingredients can cause discoloration.

Processing Viscosity

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

Processing Conditions

- Substrate must be dry and free of dust and grease
- Moisture content of the wood 13 ± 1%
- 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 before use; avoid inclusion of air

Product Consumption

Ca. 150 ml/m<sup>2</sup> at a wet-film thickness of 150 µm (without overspray)

Drying Time

Can be worked over after approx. 4 hours (at a wet-film thickness of 150 µm).

(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

### Additional Information

VOC-Labeling

EU-limit for the product (Cat. A/e): 150 g/l (2007) / 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.

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