



Technical Data Sheet



[Z] ZowoTec® 426 TopCoat HighSolid UVPlus

Product Description

Product Type

Water-based, high-solid, highly transparent, UV-resistant thick-layered glaze

- » Highly-dosed UV-protection
- » Protection of the unpigmented film and substrate by special UV absorbers and radical scavengers.
- » Allows classification of the colorless glaze as "medium color"*
- » Particularly high-solid
- » Early block-resistant
- » Highly weather-resistant
- » Intermediate and final coating in one product
- » Colorless protective glaze for pigmented top coats
- » Highly transparent and UV-resistant surface quality

Area of Application

In coating structure with pigmented primer for dimensionally stable timber elements (e.g. windows, doors) outdoors. A complete colorless coating structure can also be used on the inside (wood-aluminum construction). Can also be used as a colorless protective glaze, especially for wooden doors.

* See classification of VFF leaflet HO.01

Technical Data

Base of Binder

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

Pigments

Strong weather-resistant and lightfast inorganic and organic colored pigments

Color

- » Colorless, especially for wooden-aluminium coating structures, on the inside. as a protective glaze.
- » Color tones white spruce ("weißfichte", only for wood species spruce), white larch ("weißlärche", only for wood species larch)
- » Color collection Color-Line Nature (here [Z] ZowoTec® 426 is especially recommended for the color shades maple ("ahorn") and pine ("kiefer"))
- » Color-Line Classic (here [Z] ZowoTec® 426 is especially recommended for weakly pigmented colors
- » special colors based on [Z] ZowoTec® 426 Basis EL
- » Delivery form when ordering "colorless" is Basis EL
- » By adding [Z] ZowoSmart® EffectPigment Silver metallic colours can be made. The quantity of use is listed in the technical datasheet of [Z] ZowoSmart® EffectPigment Silver.
- » Color of coating structure results through the interaction between the color of the primer, the intermediate coat and the top coat.
- » Also when processed as a colorless top coat outdoors, [Z] ZowoTec® 426 has to be applied in combination with a pigmented primer.
- » Color can be influenced by timber-species, quality, -humidity and processing conditions

Gloss Level

Dull-matt, matt, silk-gloss and semi-gloss

Density

Approx. 1,04 g/ml



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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*, recommended wet-film thickness approx. 150 µm
- » 150 µm corresponds to a dry film thickness of 55 µm.
- » By spraying more-than 300 µm wet film thickness, the drying time rises up significantly and also the performance of the lacquer, for example adhesion and hardness can be impacted negatively

*Depending on color and processing conditions, the maximum wet-film thickness may be less in individual cases

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, free of dust and grease
- » 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).

Product Consumption

Approx. 150 ml/m² at a wet-film thickness of 150 µm (without overspray)

Drying Time

Air drying

(20 °C / 50% relative Air Humidity)

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

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

- » To remove any paint-particles, that may have formed, filter the paint with a sieve, mesh size of 125 µm (e.g. quick sieve).

System Products

Impregnation	[Z] ZowoTec® 118 Impregnation ProtectX
Primer	[Z] ZowoTec® 200 Primer
	[Z] ZowoTec® 203 Primer ProtectX
	[Z] ZowoTec® 243 Primer PrepareProtectX
Intermediate coat	[Z] ZowoTec® 340 InterCoat IsoX Spray
	[Z] ZowoTec® 426 TopCoat HighSolid UVPlus



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Top coat

[Z] ZowoTec® 426 TopCoat HighSolid UVPlus

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

Standard Steps of Coating

Glazing
(In- and Outdoors)

1 x [Z] ZowoTec® 118 Impregnation ProtectX
1 x [Z] ZowoTec® 200 Primer
1 x [Z] ZowoTec® 426 TopCoat HighSolid UVPlus approx. 150 µm
1 x [Z] ZowoTec® 426 TopCoat HighSolid UVPlus approx. 150 µm

Colorless
(Only Inside)

1 x [Z] ZowoTec® 243 Primer PrepareProtectX
1 x [Z] ZowoTec® 426 TopCoat HighSolid UVPlus approx. 150 µm
1 x [Z] ZowoTec® 426 TopCoat HighSolid UVPlus approx. 150 µm

Protective Glaze

Standard coating structure from the [Z] ZowoTec® series
1 x [Z] ZowoTec® 426 TopCoat HighSolid UVPlus approx. 150 µm

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 Berger-Zobel steps of coating!

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.

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.