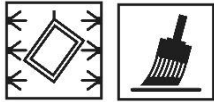




Technical Data Sheet



[Z] ZowoTec® 321 InterCoat IsoX

Product Description

Product Type

Water-based, colorless intermediate coat and colorless 1K primer for flow-coating

- » For use in glazing and opaque coating systems
- » With insulating action against water-soluble discoloring wood constituents
- » Good flow properties
- » Excellent compression, solidification and saturation of the fiber structure
- » Excellent closure of pores
- » Supports a closed-pore painting result
- » Easy sanding
- » Low odor

Area of Application

Dimensionally stable timber elements (e.g. windows, doors), in- and outdoors.
» Suitable for compressing and solidifying fiber structures (e.g. in the case of MDF)
» Supports sandability and increases protection against the intake of moisture to reduce swelling behavior
» Particularly recommended on edges or in the milling area of materials (e.g. MDF)

Technical Data

Base of Binder

Acrylate

Color

- » Colorless
- » Color of coating structure results through the interaction with the color of the primer and the top coat.
- » Color can be influenced by timber-species, -quality, -humidity and processing conditions.

Density

Approx. 1,03 g/ml

Viscosity

11 ± 1 seconds (DIN 53211-4 / 20 °C)

Processing Instructions

Application Method

Flow-coating, Brushing

- » For better insulating action in ingredient-rich substrates, it is recommended to apply the intermediate coat for a second time after it has dried.

Processing Viscosity

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

Processing Conditions

- » Mustn't be in contact with solvent, since the dispersion can flocculate
- » 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
- » Moisture content of the wood 13 ± 1%



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Recommended Tools

Product Consumption

Drying Time

(20 °C / 50% relative Air Humidity)

Recoatibility

Cleaning of the Tools

System Products

- » Stir material before use; avoid air inclusion
 - » Flow-coating: keep contact time of at least 15 seconds.
 - » Recommendation for intermediate sanding: abrasive with P180 – P240 grit.
 - » In case of opaque coating structures on the wood type oak, due to the high quantity of discoloring wood constituents, a coating with one of the two intermediate coatings [Z] ZowoTec® 384 or [Z] ZowoTec® 385 instead of [Z] ZowoTec® 321, is recommended. Perhaps the isolating effect of [Z] ZowoTec® 321 will not be sufficient.
 - » When using as an MDF compressor, apply (e.g. by means of brushing or spraying) the material once or twice on to the raw sheet material until the fiber is saturated, allowing sufficient time for intermediate drying. At 20°C/50% relative humidity, the material can be reworked using suitable Zobel materials.
- If [Z] ZowoTec® 321 tends to foam when used in a flow coater, we recommend using [Z] ZowoSmart® AntiFoamX 5510. The amount used is between 0,1% and max. 0,3%.
Approx. 80 ml/m².
- Ambient drying:
- » Sandable after approx. 2 - 3 hours.
 - » Optional second application (without intermediate sanding) after approx. 4 hours.
 - » For optimum insulating action it needs to be dried overnight (approx. 16 h).
 - » Drying time depends on applied quantity and ambient conditions. Low temperature and high humidity retard drying. Always ensure adequate temperature and air exchange.
- After drying time over night (approx. 16 h) at 20 °C / 50% air humidity
Immediately after use with water or [Z] ZowoSmart® HydroCleaner.

| | |
|-------------------|---|
| Impregnation | [Z] ZowoTec® 118 Impregnation ProtectX |
| Primer | [Z] ZowoTec® 200 Primer [Z] ZowoTec® 203 Primer ProtectX [Z] ZowoTec® 260 Primer White [Z] ZowoTec® 263 Primer WhiteProtectX |
| Intermediate coat | [Z] ZowoTec® 321 InterCoat IsoX |
| Top Coat | [Z] ZowoTec® 420 TopCoat [Z] ZowoTec® 421 TopCoat UVPlusX [Z] ZowoTec® 425 TopCoat HighSolid [Z] ZowoTec® 426 TopCoat HighSolid UVPlus [Z] ZowoTec® 480 TopCoat COLOR [Z] ZowoTec® 485 TopCoat COLOR AquaSaveX |

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

Standard Steps of Coatings

Glazing

- 1 x [Z] ZowoTec® 203 Primer
- 1 x [Z] ZowoTec® 321 InterCoat IsoX
- 1 x [Z] ZowoTec® 425 TopCoat HighSolid, approx. 250 µm

Opaque

- 1 x [Z] ZowoTec® 263 Primer WhiteProtectX
- 1 x [Z] ZowoTec® 321 InterCoat IsoX
- 1 x [Z] ZowoTec® 485 TopCoat COLOR AquaSaveX, approx. 250 µm



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MDF plates

1 x [Z] ZowoTec® 311 InterCoat
1 x [Z] ZowoTec® 260 Primer White
1 x [Z] ZowoTec® 263 Primer WhiteProtectX
1 x [Z] ZowoTec® 385 InterCoat White IsoFillX, approx. 150 µm
1 x [Z] ZowoTec® 484 TopCoat COLOR DoorX, 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!

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.