

ANTISTAIN AQUA 5300-22

Primer

ANTISTAIN AQUA 5300-22, a two-component water-borne primer for new wood designated for exterior use such as windows and doors.

ANTISTAIN AQUA 5300-22 minimises yellowing from knots and softwood with a large amount of heartwood and can be used as primer on larch wood.



TECHNICAL DATA

Fields of application	Exterior doors, Windows	
Recommended substrate	Softwood	
Solids	Approx. 30% by weight	
Volatile organic compound (VOC)	Approx. 27 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.	
Theoretical spreading rate	SPRAY APPLICATION	FLOW COAT / DIPPING
	5-7 m ² /l	10-13 m ² /l
Colours	Colourless.	
Hardener	Comp. B: HARDENER 7531-20	
Mixing ratio (A:B)	1,5:1 parts by volume	
Pot life	SPRAY APPLICATION: 4 hours. After adding Comp. B, the product can be added up to 5% water to increase pot life by an additional 4 hours as needed. FLOW COAT/DIPPING: When working with flow coat it is important to work according to the following guideline. a. After filling liquid into the flow coat it is only possible to produce for 5 days. On day 5 the flow coat must be emptied, cleaned and possible liquid surplus must be discarded. b. By possible production stop during a production period of 5 days, the liquid can only stay in the flow coat for maximum 3 days. If the 3 days are exceeded the flow coat must be emptied, cleaned and possible liquid surplus must be discarded.	
Thinner	FLOW COAT / DIPPING: After adding Comp. B the product is adjusted with water to a viscosity of 13-14 s in DIN cup 4. It might be necessary to adjust with water and anti-foam agent during the process.	

Storage Storage temperature is +5°C - +30°C. Shelf life in unopened containers: See "Best before date" on the label. Keep containers tightly closed after use.

Packaging Available in a range of standard pack sizes.

DIRECTION FOR USE

Surface preparation The wood must be free from wood dust and contamination. The moisture content of the wood should be approx. 13% and should not exceed 15%. Pretreatment is required for wood substrates not meeting Durability Class 3, EN 350:2016. Teknos has a range of preservative products meeting the requirements of EN 599-1, please contact Teknos for further guidance.

Application method Airless spraying, Dipping, Flow coating, Air-assisted airless spraying

Application	Nozzle	Pressure	Air support
	Airless flat 0.28 mm	100-110 bar	
	Air assisted airless flat 0.28 mm	80-100 bar	1.0-1.5 bar

Application conditions After adding Comp. B the product is stirred with mechanical stirring equipment and the mixture rests for 10 min., then stir again.

MIXING RATIO (A:B): 1.5:1 parts by volume

MIXING RATIO (A:B): 1.5:1 parts by weight

SPRAY APPLICATION: Wet film range 150-200 µm

FLOW COAT / DIPPING: Wet film range 75-100 µm

Minimum product temperature by use: +18°C.

The product is temperature sensitive, which influences the viscosity.

Optimum temperature for products and surroundings: +18°C - +22°C.

Optimum relative air humidity: Approx. 50%.

Drying time +23°C / 50% RH

- dry to handle 1-2 h

- fit for sanding and overcoating 3-4 h* SPRAY APPLICATION
2-3 h* FLOW COAT / DIPPING

*As the film thickness is of paramount importance for the effectiveness of the product, it is important not to sand the surface too much.

The drying time can be reduced using special drying systems to force drying. The drying times are approximate and may vary according to wood quality, temperatures, humidity, ventilation, and film thickness.

Coating system Primed parts must always be protected with a topcoat treatment before they are exposed to the influence of the weather.

Cleaning Water.

HEALTH AND SAFETY

Safety and precaution measures

See safety data sheet.

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