

# RELEST® Wind SB Topcoat, Spray

Art.-Nr. I308-xxxx

## Properties:

(all data referring to the base material used)

<b>Type of binder</b>	Acrylic polyurethane
<b>Mixing ratio</b>	Ready for use
<b>Hardener</b>	RELEST® Hardener PUR 150
<b>Viscosity 4 mm (mixture)</b>	Approx. 115 s
<b>Density (ISO 2811-1, mixture)</b>	Approx. 1.15 g/cm <sup>3</sup> (depending on colour shade)
<b>Solid content (mixture)</b>	Weight: approx. 60% Volume: approx. 40%
<b>Gloss level 60° measuring angle</b>	</= 30 GU*  *The coating's gloss level depends on the coating's film thickness, the substrate's roughness, the substrate's temperature, the application temperature, the drying stage and the air humidity during the application.
<b>VOC content (mixture)</b>	Approx. 470 g/l (depending on colour shade)
<b>Spreading rate (mixture)</b>	At a recommended dry film thickness of 40 µm on even surfaces in delivery form without application loss theoretical: approx. 100 g/m <sup>2</sup> corresponds to: approx. 10 m <sup>2</sup> /kg  Non-binding reference value since surfaces and their consumption rates vary. Carry out a test application according to DIN 53220 to assess the exact spreading rate.

The technical data refer to +20°C and 65% relative air humidity.

## Characteristics and resistance:

RELEST® Wind SB Topcoat, Spray provides closed-pore and smooth paint coats characterised by their good weather and light resistance and gloss retention. RELEST® Wind SB Topcoat Spray also adheres very well to problematic surfaces, is abrasion resistant, quite flexible and can also be subjected to forced drying at temperatures up to +80°C. The material is temperature resistant up to +80°C max. and short-term resistant up to +140°C in dry heat; up to +60°C max. in damp heat.

## Substrate preparation:

### General:

The surface preparation is decisive for the durability of all coating systems.

Surfaces must be sanded prior to use.

Fine sanding with P240 – P320 grit size should be implemented as final sanding operation before applying RELEST® Wind SB Topcoat Spray as topcoat.

Surfaces must be treated with a suitable detergent/tack rag to ensure that they are clean, dry and free of all foreign substances such as oil, grease, dust, parting agents, etc.

Cover all surfaces not to be coated. Carry out a test application!

See also our additional notes in the repair instructions for rotor blades (RELEST® Wind RepKit).

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## Application:

(All data are exemplary data only.)

RELEST® Wind SB Topcoat, Spray is a two-component spray paint; the hardener is integrated in a separate container of the spray can. The hardener is activated by pushing the spray button. The cans are standard equipped with a variator spray head.

<b>Application conditions</b>	+15°C min. up to +35°C max. air and object temperature at 85% rel. air humidity max. Observe dew point. The lower the ambient and object temperature, the longer the drying time.	
<b>Workable life</b>	Climate Workable life (*)	
	+20°C / 30% rel. humidity	approx. 120 min
	+23°C / 65% rel. humidity	approx. 120 min
	+35°C / 85% rel. humidity	approx. 60 min
<b>Overcoating times with itself</b>	Climate Overcoating times	
	+20°C / 30% rel. humidity	approx. 5 – 10 min
	+23°C / 65% rel. humidity	approx. 5 – 10 min
	+35°C / 85% rel. humidity	approx. 5 – 10 min

**(\*) Attention! The activated material from the spray can must no longer be sprayed when the workable life has ended, even if it still seems to be liquid (gloss loss and declining mechanical values)!**

## Instructions for use of 2-comp. spray cans:

- 1.) Shake the spray can well for at least 2 minutes before use – counting from hearing the sound of the mixing ball inside striking the can's sides onwards.
- 2.) Remove the red push button from the cap and mount it onto the pin at the can bottom without twisting. Place the can with the cap pointing downwards on a solid, horizontal surface.
- 3.) Start spraying: push the spray button slowly while holding the can vertically. Listen for clicking noises. Please push only 1x.
- 4.) Dispose of the red release button immediately so that you will know which can has already been released when using several spray cans. It is recommended to note down the time of day you used the can on its label.
- 5.) Shake the spray can well for at least 2 minutes before use – counting from hearing the sound of the mixing ball inside striking the can's sides onwards.
- 6.) Carry out a test application and check the product. Check during the test application if the nozzle sprays the paint in a straight line and evenly. Check the colour shade of paint cans.
- 7.) Empty the valve: upon conclusion of the spraying process, the valve must be completely emptied with the spray head pointing downwards.

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## Application method:

General notes:

Hold the spray can which has been activated as described above parallel to the object to be coated at a distance of approx. 15 – 20 cm and carry out a “cross coat” movement. Several thin coats give a better result than one thick coat (risk of sagging of the freshly sprayed coat).

The spray can is standard equipped with a variator spray head with flat spray nozzle. The spraying direction of the flat spray jet can optionally be changed and adapted to the geometry of the object to be coated by turning the black nozzle.

The desired spraying angle can be adjusted via the red knob positioned on the spray head.

## Drying times:

Drying times (ISO 9117) at	Drying stage (TG) 1 (dust dry)	Drying stage (TG) 7 (resistant to mechanical stress)
+18°C/30% rel. humidity	approx. 60 min	approx. 6 h
+23°C/65% rel. humidity	approx. 45 min	approx. 3 h
+35°C/85% rel. humidity	approx. 35 min	approx. 2 h

## Storage/Transport conditions:

The material is storable for approx. 12 months from date of manufacture in firmly closed original containers. Protect from frost, heat and humidity.

## Standard coating system:

The respective coating system can be individually adapted to the local manufacturing processes and the desired quality standard.

Please contact the responsible field staff!

## Safety measures:

The information and safety advice on the containers as well as the respective accident prevention regulations of the responsible trade associations are to be observed at all times when working with this product.

For further information, please see the Safety Data Sheets.