

Product Data Sheet

RELEST[®] Protect 316 2K-PUR-Topcoat gloss

Art. No. B-I316-Color

Product description

RELEST Protect 316 2K-PUR-Topcoat gloss is a glossy, closed-pore and smooth topcoat offering high weather resistance, light resistance and gloss retention for use in utility vehicle construction, apparatus engineering, steel construction and shipping.

Compatible products

Hardener B-I385-0150
 B-I385-0160

Thinner B-I103-0132

Application and Properties

- glossy, closed-pore PU topcoat
- high weather resistance, light resistance and gloss retention
- drying times can be reduced by adding 3 % max. of accelerator B-I110-0316

Overcoatable with

PUR

Substrates and Pretreatment

The surface preparation is decisive for the durability of all coating systems. Please observe the data provided in the Technical Data Sheets of the priming coats matching the system.

RELEST® Protect 316 2K-PUR-Topcoat gloss

Art. No. B-I316-Color

Instructions for use	B-I385-0150		B-I385-0160	
	by weight	by volume	by weight	by volume
B-I316- Color				
Mixing ratio	5 : 1	4 : 1	3,5 : 1	3 : 1
Solids Content	~ 57 - 67 %	~ 45 - 55 %	~ 57 - 67 %	~ 45 - 55 %
Thinner	B-I103-0132			
Viscosity	~ 90 - 130 s in 4 mm cup		~ 35 - 45 s in 4 mm cup	
Density ISO 2811-1	~ 1,1 - 1,3 g/cm ³			
Consumption	90 - 110 g/m ²			
Film thickness	40 µm			
Pot life	~ 4 h			
Color shade	according to sales range			
Gloss 60°	gloss			
Binder system	acrylic polyurethane			
V.O.C. content	~ 440 g/l			
Application conditions			min.	max.
	Air and Object temperature		+10 °C	+30 °C
	relative air humidity			
	Observe dew point.			
Application	Spray pressure	Nozzle	B-I103-0132	
Flow cup	4 - 5	1,2 - 2,0	max. 20%	
Compressed-air spraying				
Airless	150 - 180	0,23 - 0,38	max. 10 %	
Airmix	80 - 100	0,23 - 0,28	max. 10 %	
Drying time	dust dry	touch dry	resistant (water)	resistant (chemicals)
+20 °C	~ 90 min	~ 5 h	~ 7 d	~ 14 d

RELEST[®] Protect 316 2K-PUR-Topcoat gloss

Art. No. B-I316-Color

Application method

These data are reference values only. The spraying viscosity must be adapted to the conditions on site. Thoroughly mix the base component and the hardener according to the specified mixing ratio, preferably with a mechanical stirrer, and transfer the mixture to another container. Ensure that the devices are clean during the application. Even traces of humidity considerably impair the quality and durability of the coating. Spray application: Provide for dry spraying air by means of an efficient water separator.

Drying

Higher temperatures and higher air movement or exchange may accelerate the drying process, lower temperatures or higher film thicknesses slow down the drying process.

Storage/Transport conditions

The material is storable for approx. 24 months from date of manufacture in firmly closed original containers. Please observe the information on the container label. Seal open containers airtight and use up soon. Protect from frost, heat and humidity.

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.

Safety instructions and disclaimer

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the products for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein are for general information purpose only; they may change without prior information and do not constitute the agreed contractual quality of the products (product specification). With the publication of a new edition this publication is no longer valid. You will find the latest version on the Internet on www.relest.de or contact your sales partner. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.