

Product Data Sheet

RELEST® Protect 311 2K-PUR-Topcoat semigloss

Art. No. I311-Color

Product description

RELEST Protect 311 2K-PUR-Topcoat provides silk gloss, closed-pore and smooth surfaces offering high weather resistance, light resistance and gloss stability. Especially suited for use in utility vehicle construction, apparatus engineering, steel construction and shipping.

Risk assessment in relation to MED Module B: Coating schemes submitted for MED Module B certification have been tested in accordance with IMO Res. MSC.307(88)-(2010 FTP Code) Annex I, Parts 2 and 5. Testing to these standards covers all foreseeable risks. This statement fulfills the requirement for a risk assessment (in Annex II, Part I Module B: EC Type-Examination, point 3, third indent).

Compatible products

Hardener I385-0150 (IMO)
I385-0160

Thinner I103-0132

Application and Properties

- silk gloss, flame retardant PU topcoat
- drying times can be reduced by adding 3 % max. of accelerator I110-0316
- flame retardant according to IMO Resolution MSC.61(67)-(FTP code), Annex 1, part 5
- The surface material with low flame-spread characteristics does not apply to pipes, pipe coverings or cables.

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.

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Instructions for use	I385-0150 (IMO)		I385-0160	
	by weight	by volume	by weight	by volume
I311- Color	by weight	by volume	by weight	by volume
Mixing ratio	5 : 1	4 : 1	3,5 : 1	3 : 1
Solids content	~ 57 - 67 %	~ 45 - 55 %	~ 57 - 67 %	~ 45 - 55 %
Thinner	I103-0132			
Viscosity	~ 90 - 130 s in 4 mm cup (with hardener 150) ~ 35 - 45 s in 4 mm cup (with hardener 160)			
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°	silk gloss			
Binder system	acrylic polyurethane			
V.O.C. content	~ 430 g/l			
Application conditions			min.	max.
	Air and object temperature		+10 °C	+30 °C
	relative air humidity			
	observe dew point			
Application	Spray pressure	Nozzle	I103-0132	
Flow cup	4 - 5	1,2 - 2,0	max. 20%	
Compressed-air spraying				
Airless	150 - 180	0,23 - 0,33	max. 10 %	
Airmix	80 - 100	0,23 - 0,28	max. 10 %	
Roll application	At supplied consistency. When applying the product by brush or roller several coats are required to obtain the required film thickness.			
Drying time	dust dry	touch dry	resistant (water)	resistant (chemicals)
+20 °C	~ 90 min	~ 5 h	~ 7 d	~ 14 d

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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.