

Product Data Sheet

RELEST[®] Marine 251 1K-CR-Primer

Art. No. B-I251-Color

Product description

RELEST Marine 251 1K-CR-Primer is an unsaponifiable priming coat for steel designed for use in steel construction and shipbuilding.

Compatible products

Thinner B-I101-0115

Application and Properties

- suitable for areas below and above the waterline
- applicable up to 100 µm dry film

Overcoatable with

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Substrates and Pretreatment

The surface preparation is decisive for the durability of all coating systems. Substrates must be solid, clean, free of grease, wax, silicone, rust and dust.

Steel Surfaces must be clean, dry, solid and free of mill scale, rust and other foreign matter. Best results are obtained by blasting to standard degree of cleanliness Sa 2½ according to DIN EN ISO 12944, part 4. Suitable pretreatment such as phosphating or chromating increases the protective effect.

Old Coating Old coatings must be checked for solidity and adhesion by means of a test application. Remove weathered, cracked and badly adhering coatings. Remove old paint coats of unknown composition entirely before use. Single component coatings may dissolve and lift during overcoating. Fully dried, firmly adhering two component coatings can be overcoated after sanding.

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Instructions for use			
B-I251- Color	by weight	by volume	
Mixing ratio	-	-	
Solids Content	~ 68 %	~ 47 %	
Thinner	B-I101-0115		
Viscosity	thixotropic		
Density ISO 2811-1	~ 1,35 g/cm ³		
Consumption	210 g/m ²		
Film thickness	75 µm		
Pot life	-		
Color shade	black, red brown		
Gloss 60°	matt		
Binder system	chlorinated rubber		
V.O.C. content	~ 470 g/l		
Application conditions		min.	max.
	Air and Object temperature	+5 °C	+30 °C
	relative air humidity		< 85 %
	Observe dew point.		
Overcoating time	Climate	minimum after	maximum after
	+5 °C	~ 26 h	-
	+10 °C	~ 18 h	90 d
	+20 °C	~ 8 h	-
	+30 °C	~ 5 h	-
Application	Spray pressure	Nozzle	B-I101-0115
Flow cup			
Compressed-air spraying	3	1,2 - 1,5	
Airless	240	0,43	max. 5 %
Airmix	120 - 180	0,33	
Drying time	dust dry	overcoatable	resistant
	+20 °C	~ 1 h	~ 4 h

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Application method

These data are reference values only. The spraying viscosity must be adapted to the conditions on site.

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.