

Product Data Sheet

RELEST[®] Protect 346 2K-EP-Multicoat

Art. No. B-I346-Color

Product description	RELEST Protect 346 2K-EP-Multicoat is an economical, low-solvent priming coat, intermediate coat and topcoat for heavy duty corrosion protection above and below the waterline and for the maintenance of steel structures.	
Compatible products	Hardener	B-I387-0613
	Thinner	B-I103-0135
Application and Properties	<ul style="list-style-type: none">• good resistance to seawater and fresh water, i.e. suitable for ballast water tanks• good adhesion to old coatings after intermediate sanding, especially to alkyd resin paints	
Overcoatable with	AK, PUR	
Substrates and Pretreatment	<p>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.</p> <p>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.</p>	

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Instructions for use	B-I387-0613		
B-I346- Color	by weight	by volume	
Mixing ratio	2,5 : 1	1,5 : 1	
Solids Content	~ 82 %	~ 73 %	
Thinner	B-I103-0135		
Viscosity	thixotropic		
Density ISO 2811-1	~ 1,3 g/cm³		
Consumption	318 g/m²		
Film thickness	250 µm		
Pot life	~ 2 h		
Color shade	-0739 red brown, -0971 off-white, -7701 grey		
Gloss 60°	silk gloss		
Binder system	epoxy resin		
V.O.C. content	~ 270 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	~ 48 h	~ 6 d
	+5 °C	~ 20 h	~ 6 d
	+10 °C	~ 18 h	~ 6 d
	+20 °C	~ 12 h	~ 6 d
Application	Spray pressure	Nozzle	B-I103-0135
Flow cup			
Compressed-air spraying			
Airless	240	0,53	max. 5 %
Airmix	120 - 180	0,33	
Drying time	dust dry	touch dry	resistant
+20 °C	~ 3 h	~ 12 h	~ 7 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.