

Product Data Sheet

RELEST® Marine 377 2K-EP-Primer ZM

Art. No. B-I377-0866-2071

Product description

RELEST Marine 377 2K-EP-Primer ZM is an initial coat containing zinc dust for anticorrosive coating systems in utility vehicle construction, steel construction, hydraulic steel construction and shipbuilding. The application on pipes, pipe coverings and cables is not part of the approval.

Compatible products

Hardener B-I387-3581

Thinner B-I103-0135

Application and Properties

- primer suitable for high-pressure water blasted surfaces
- flame retardant according to IMO Res. MSC.61 (67) (FTP code), Annex 1, part 5
- The application on pipes, pipe coverings and cables is not part of the approval.

Overcoatable with

EP, PUR

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 extra (ZM) Surfaces must be clean, 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, by UHBAB, by high-pressure water blasting Dw3, STG Guideline 2222, or by vortex method. All surfaces blasted with water must be blasted with fresh water. Prior to repairing the basecoat, the surfaces must be treated at least according to standard degree of cleanliness Psa 2 or St 3. Always remove old paint coats of unknown composition entirely.

RELEST® Marine 377 2K-EP-Primer ZM

Art. No. B-I377-0866-2071

Instructions for use	B-I387-3581		
B-I377-0866-2071	by weight	by volume	
Mixing ratio	20,5 : 1	7,1 : 1	
Solids Content	~ 87 %	~ 60 %	
Thinner	B-I103-0135		
Viscosity	thixotropic		
Density ISO 2811-1	~ 2,6 g/cm ³		
Consumption	150 g/m ²		
Film thickness	50 µm		
Pot life	~ 3 h		
Color shade	green		
Gloss 60°	matt		
Binder system	epoxy resin combination		
V.O.C. content	~ 320 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	90 d
	+10 °C	~ 18 h	90 d
	+23 °C		90 d
Application	Spray pressure	Nozzle	B-I103-0135
Flow cup			
Compressed-air spraying	3	1,2 - 1,3	max. 10 %
Airless	240	0,43	max. 5 %
Airmix	120 - 180	0,33	-
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
+20 °C	~ 1 h	~ 4 h	~ 7 d

RELEST[®] Marine 377 2K-EP-Primer ZM

Art. No. B-I377-0866-2071

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. 12 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.