

Rock Than 373

Polyurethane – based paint

C 373

Product description

A non-yellowing high gloss, aliphatic polyurethane based topcoat with superior adhesion and high abrasion resistance properties for marine and industrial environment. The product is easy to apply and offers excellent color retention and good durability.

Designed For.

Marine: Recommended for topside, deck and superstructure.

Protective: Recommended for offshore environments, refineries, power plants, bridges and buildings. Suitable for a wide range of industrial structures.

Technical characteristics

Shelf life: 36 months Density: 1.2 ± 0.2 g/ml Theoretical spreading rate: $5.5 \text{ m}^2/\text{l}$ at $90 \mu\text{m}$
Colour: white or upon customer request Volume solid $52 \pm 2 \%$ Texture: matt

Pre-treatment

Surface preparation

The surface should be dry and free from contaminants prior to over coating. The best intercoat adhesion is achieved when the subsequent coat is applied before the preceding coat is fully cured. After prolonged exposure it may be necessary to roughen the surface to ensure intercoat adhesion. When in doubt, consult your nearest Rock Coating office.

Power tool Cleaning

The performance of this paint will depend on the degree of surface preparation. Surfaces should be treated in accordance with ISO 8504:2000.

The surface shall be cleaned by high pressure steam/detergent cleaning to remove dirt, grease and/or salt deposits in accordance with SSPC SP1. Power-tool cleaning to min. St 2, preferably St 3 (ISO 8501-1:2007).

Care shall be taken to ensure that power-tool cleaning does not polish the steel surface. If the surface being prepared lies adjacent to a coated surface, the power tool cleaning shall overlap the coated surface by at least 25 mm and the coated surface shall be feathered

Coated substrates

All surfaces should be clean, dry and free from contamination. Surfaces should be treated in accordance with ISO 8504:2000. Ensure compatibility of the coated substrates with the selected paint system. If the remaining part of the existing coating system needs to be sweep-blasted, fine abrasive shall be used to avoid damage to the coating system. When recoating aged coated substrates, damaged areas must be removed back to a firm edge.

Light abrade or sweep-blast the surface in order to provide a physical key for adhesion. When recoating zinc primed products, ensure the primer has been fully cured.

Zinc salts products shall be removed by high pressure fresh water cleaning. Contact your local Rock Coating office for more information.

Please refer to the EU Material Safety Data Sheet for product labelling as required by Directive 1999/45/EC and the respective national rules.
The products are suitable for professional use only.

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). It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Application:-

	Mixing ratio	Stir well before use. By wieght w/w 83 : 17 V/V 80:20
		Pot life 10 °C 10 hour 23 °C 6 hour 30 °C 4 hour
	Sprayguns	Airless: 180-250 Bar nozzle size 0.48-0.78mm thinner RC06 5% Air spray: 4 -6 Bar nozzle size 1.5 - 2 mm thinner RC 10% Brush: multicoated are required to achieve the thickness Thinner RC06 5% Roller: multicoated are required to achieve the thickness Thinner RC06 5%
	No of coats	
	Drying time	

	DFT	WFT	TSR
Range	30 - 50	60 - 100	16.5 -11m2
recommended	40	80	12

Substrate temperature	Touch dry	Dry to Handle	Dry to Recoat
10°C	4 h	12 h	24 h
25°C	2 h	6 h	12 h
30°C	1 h	3 h	7 h

TYPICAL PAINT SYSTEM

A typical system for this product is shown below and should be taken for guidance only

ROCK POXY PRIME 221 1× 70 μm
ROCK MASTIC AL 222 2× 75 μm
ROCK THAN 3.73 1-2×40 μm

For further information about full system specification consult your **ROCK COATING** supplier

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APPLICATION CONDITIONS

The temperature of the substrate should be at least 3°C above the dew point. Temperature and relative humidity should be measured in the vicinity of the substrate. The maximum recommended surface temperature is approx. 40°C. Higher steel temperatures are acceptable provided dry-spray is avoided by proper spray application and extra thinning if required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging. When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 15°C, otherwise extra solvent may be required to obtain a proper application viscosity.

Storage and shelf life

The product must be stored in accordance with national regulations. The cans are to be kept in a dry, cool, well ventilated space and away from source of heat and ignition. Cans must be kept tightly closed.

Health and safety

Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. This product is intended for use by professional applicators. As a general rule, avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc. Spraying should be carried out under well-ventilated conditions. This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

Disclaimer

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product without notice.

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