

Rock Temp 650

Heat Resistant Paint

C 444

Product description

This is a one component modified silicon resin matrix coating. It resists to low temperature down to 196°C up to 650°C Continuously and peak up to 720°C it can be used as a primer or finish coat in atmospheric environment. It is easily applied on metal and non-metal substrate also can be applied on hot substrate up to 60°C

Designed For.

Protective: a heat resistant coating. Suitable for insulated and non insulated surfaces. Recommended as finish coat for insulated surfaces, in systems with suitable primers.

Technical characteristics

Shelf life:	36 months	Density:	1.4 ± 2 % g/ml	Theoretical spreading rate:	11 m²/l at 50µm
Colour:	colour ALU	Volume solid:	55 ± 2 % by weight	Texture:	flat

Pre-treatment

Repair of old antifouling systems

All surfaces should be clean, dry and free from contamination. Surfaces should be treated in accordance with ISO 8504:2000. Remove salts, fouling, any loose paint and other contaminants by high pressure fresh water cleaning. A water pressure of 500 bar (approx. 7000 psi) is recommended. Ensure compatibility of the old coated substrates with the selected paint system. Damaged areas must be treated and touched up with an appropriate primer system. Contact your local Rock Coating agent for more information

Application:

 Mixing ratio	Stir well before use. one component sytem Volume of thinner 0-3%
 Sprayguns	Airless: 180-150 Bar nozzle size 0.48 -0.66 mm with thinner 5% brush : Multicoat are required to achieve the specified dry film thickness. Volume of thinner: 0 - 10% roller: not recommended

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.

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THEORETICAL SPREADING RATE TSR

	DFT μm	WFT μm	TSR
RANGE	30- 50	55 - 90	18- 11 M2
RECOMMENDED	40	75	13.75

DRYING AND RECOATING TIMES

Substrate temperature	Touch dry	Dry to handle	Dry to recoat min
10.°C	10 hour	24 Hours	24 Hours
25 °C	2 hour	6 Hours	6 Hours
100 °C	30 Min	1 Hours	1 Hours

Heat resistance

	Temperature	
	Continuous	Peak
Dry atmospheric	650 °C	720 °C

TYPICAL PAINT SYSTEM

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

ROCK POXY ZINC 811	50μm
ROCK MASTIC AL 222	125μm
ROCK TEMP 650	175μm

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

APPLICATION CONDITIONS

The temperature of the substrate should be at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate. The maximum recommended surface temperature is approx. 30°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.

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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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