RONASS INORGANIC ZINC PRIMER
RTB-1222-R (A&B COMPONENTS)

Special two-component, moisture-curing, inorganic Zinc primer with excellent durability, abrasion resistance and anti-corrosive properties.

USES AND SUITABALE TOP-COATS

Recommended Uses	Primer or single coating system as a heat-resistant and durable protective coating system for steel structures, pipelines, piles and other ferrous surfaces.
Suitable Top-Coats	Pure Silicone-based coatings, epoxy coatings and polyurethane systems.

CHEMICAL COMPOSITION

Type of Binder	Ethyl Silicate	Solid Content After Mixing	86.5 ± 1% By Weight
Number of Component(s)	2 Components		59 ± 2% By Volume
Curing Mechanism	Chemical Reaction		
Main Pigment(s)	Pure Metallic Zinc Powder	Flash Point	38°C (100°F)

PHYSICAL PROPERTIES

Finish	Matt
Colour	Grey
Specific Gravity after Mixing	2.60 ± 0.05 gr/cm³
Heat Resistance	Continuous Service: Max. 420°C

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to Swedish Standard(SIS 5900). Sa 3 is recommended.
Mixing Ratio	Component A: 25 Parts by weight Component B: 75 Parts by weight
Mixing Instructions	Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes.to obtain a soft and uniform paste.then add 2-5% T-767. Do not thin down A- component separately.
Pot Life	4 Hours at 25°C
Theoretical Consumption	330 gr/m² @ 75 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.011" – 0.015"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	2.5 – 4 Bar	3 – 5 Bar	---	---
Thinning	2 – 5% T-767	5 – 8% T-767	---	---

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	130	85	170
Dry Film Thickness (µm)	75	50	100

Drying Time

Dust Free Time	Tack Free Time	Fully Cured	Recoating Interval
45 – 60 Minutes	1 – 2 Hours	After application, this coating needs to absorb plenty of moisture to complete its chemical reaction. In suitable conditions, it takes 24-48 hours.	if curing test is successfully passed recoating time.At least 24 hours. Prior to recoating, it is necessary to apply a curing test according to ASTM Test Method D-4752.

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

Application Limits

Relative Humidity	Min. 65%	Max. 95%
Temperature	Min. +10°C	Max. +40°C
Substrate Temperature*	Min. +10°C	Max. +45°C

Recommendations	Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-767.

PACKING, STORAGE AND SAFETY

Packing	Component A (Ethyl Silicate): 5 Litres (4 kgs. Net) Component B (Zinc Powder): 10 Litres (12 kgs. Net).
Storage Conditions	To be stored in cool and dry conditions within a temperature range of +5°C minimum and +30°C maximum in original sealed containers. Keep away from freezing Temperatures.
Shelf Life	At least 6 months after deliveryin original sealed containers and proper storage conditions with temperature of 25°C.
Safety	This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipments,direct sunshine and out of children's reach. Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.