ZINCODIC™

ZINC CATHODIC COATING

EPOXY/(METH)ACRYLATE/ URETHANE

COATING SYSTEM

FOR INDUSTRIAL USE

ZINCODIC EXTREME TOP COAT

NON ISOCYANATE

ZINCODIC IS FOCUSED ON CREATING COATINGS OF THE HIGHEST QUALITY WITH THE LOWEST NEGATIVE IMPACT ON THE ENVIRONMENT AND HUMAN HEALTH.

ZINCODIC EXTREME TOP COAT

GENERAL INFORMATION

- NON ISOCYANATE
- TWO PACK SYSTEM
- 2000HRS SALT SPRAY TEST
- APPLICATION TO DAMP SURFACE
- EXCELLENT ABRASION RESISTANCE
- EXCELLENT IN SALT WATER IMMERSION
- WATER RESISTANT
- CHEMICAL RESISTANCE
- EXCELLENT UV RESISTANCE
- RAL COLOUR CHART
- VOC
- NO HAP
- NO BPA/F
- FLAMMABLE
- WITHSTANDS PH 4 - 13

CHARACTERISTICS

READY FOR USE:
Two component coating.

SECURITY:
Flammable.

VOC (SOLVENTS):
450 grams/litre.

COLOUR:
Colour Chart

PRODUCT DESCRIPTION

- Zincodic Exreme TC is a flexible polyurethane
- Zincodic Extreme TC is spcifically formulated to be cured with zero isocyanate activator hardener in order to create unique coating properties.
- Zincodic Extreme TC, when combined with hardener yields coatings that are low in toxicity, abrasion, impact, and chemical resistant, with excellent uv resistance.
- Zincodic Extreme TC is designed for use in indoor/outdoor applications requiring low toxicity, durability, chemical resistance and water resistance properties which is easily applied via brush, roller, gravity spray gun, airless spray gun.

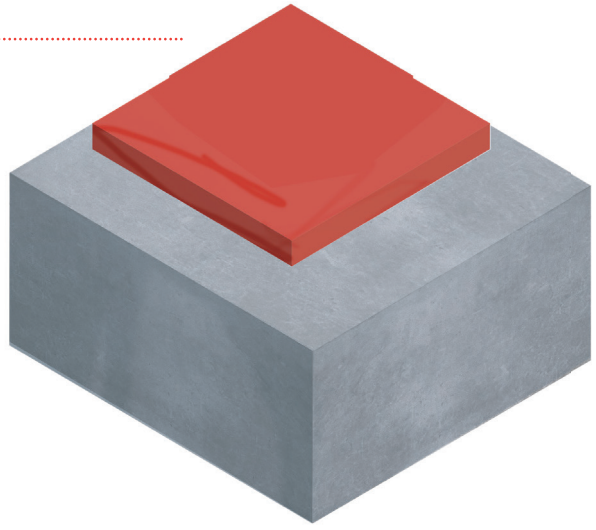
PHYSICAL PROPERTIES	UNIT	STANDARD	VALUE
Ratio of components Base A (resin): Zincodic Extreme Part B (hardener)			8:1 by weight
Viscosity part a Viscosity part b Viscosity after mixing a&b	cP (mPa's)	ASTM D 2196 (Brookfield RVDV II, Spindle 29,100 RPM) at 77°F (25°C)	1300 550 1100
Density at 77°f (25°c):	(g/cm3)	ASTM D 1298	1,14
PHR for 100 gr with hardener			39 - 45
Exothermic (200 gr)			< 39 - 50°C
Colour	RAL		Colour chart
Gel time (200 gr)	(°C) min	Gel timer GT-S-220	77 (25°C) 40
Thickness of the film	Micron		50-125
Solids content when a - b combined	%		64 %
Application temperature	(°C)		(5°C) (40°C)
Curing time at temperature Dry to touch Transport ready Full cure	(°C) Hours Hours Days	ASTM D1640	(5°C) (25°C) 5 3 24 24 18 12

TYPICAL APPLICATIONS

Chemical plants marine & military applications applications requiring high durability, water resistance, & good adhesion salt water immersion & food & beverage processing facilities electrical transmission towers industrial commercial buildings paper mills.

APPLICATIONS

Zincodic Extreme TC can be applied to many surfaces including **metal, concrete, aluminium, cast iron, stainless steel** and is particularly useful on applications requiring higher safety and sanitationstandards, and in **heavy traffic and corrosive surface areas requiring good adhesion.**



TECHNICAL DATA SHEET

PERFORMANCE PROPERTIES			
Tensile strength at break	psi (MPa)	ASTM D638	> 4300 - 7200 > (30-50)
Elongation at break	%	ASTM 638	1-3
Hardness (shore D)		ASTM D2240	85-87
Abrasion resistance taber wheel C17 1000 gr Loss of mass	mg/1000 cycles	ASTM D4060	23

CHEMICAL & STAIN RESISTANCE			
Weight gain at immersion in water (24H AT 77°F (25°C)	%	ASTM D570	0.1 - 0.2
Sulfuric Acid 20% H2SO4		Atmosphere	Gloss reduction
Sodium Hydroxide 20% NaOH			No effect
Motor oil			No effect
Brake fluid			No effect
Skydrol (aviation hydraulic fluid)			No effect

For further information please visit our website
WWW.ZINCODIC.CO.ZA

STORAGE

- **Keep in a well ventilated place in tightly sealed containers**
- **Keep at a temperature not less than 59°f (15°c)**
- **Protect from frost**
- **Viscosity increases significantly at low temperatures**
- **Keep away from heat, direct sunlight and acids**
- **Storage life is at least 12 months from the date of manufacture in original unopened sealedcontainers**
- **Store away from acids, excessive heat and humidity in closed containers**

In case of doubt, don't hesitate to contact our technical support division.

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