



ZINC CATHODIC COATING SYSTEM



ZINCODIC EXTREME 90

GENERAL INFO

- NON ISOCYANATE POLYURETHANE
- TWO PACK SYSTEM
- RESTORES CATHODIC PROTECTION
- 2000HRS SALT SPRAY TEST
- POLYURETHANE HYBRID
- ENHANCED IMPACT RESISTANCE
- EXCELLENT IN SALT WATER IMMERSION
- WATER RESISTANT
- HIGHLY FLEXIBLE
- HIGH CHEMICAL RESISTANCE
- NON ISOCYANATE POLYURETHANE
- NO VOC
- NO HAP
- NO BPA/F
- NON-FLAMMABLE
- WITHSTANDS PH 1,0 - 13,5
- EXCELLENT POT LIFE





ZINCODIC EXTREME 90

PRODUCT DESCRIPTION

ZINCODIC EXTREME IS A 90% ZINC FLEXIBLE HYBRID POLYURETHANE COATING THAT HAS ZERO VOC, ZERO HAP, ZERO BPA/F AND NON-FLAMMABLE.
ZINCODIC EXTREME IS SPECIFICALLY FORMULATED TO BE CURED WITH ZERO ISOCYANATE ACTIVATOR (AMINE) IN HARDENER IN ORDER TO CREATE UNIQUE COATING PROPERTIES.
ZINCODIC EXTREME, WHEN COMBINED WITH AMINE YIELDS COATINGS THAT ARE LOW IN TOXICITY, ABRASION, IMPACT, AND CHEMICAL RESISTANT, WITH EXCELLENT UV RESISTANCE.
ZINCODIC EXTREME IS DESIGNED FOR USE IN INDOOR/OUTDOOR APPLICATIONS REQUIRING LOW TOXICITY, DURABILITY AND WATER RESISTANCE PROPERTIES.

APPLICATIONS

ZINCODIC EXTREME CAN BE APPLIED TO MANY SURFACES INCLUDING METAL, CONCRETE, ALUMINIUM, CAST IRON, STAINLESS STEEL AND IS PARTICULARLY USEFUL ON APPLICATIONS REQUIRING HIGHER SAFETY AND SANITATION STANDARDS, AND IN HEAVY TRAFFIC AND CORROSIVE SURFACE AREAS REQUIRING GOOD ADHESION.

TYPICAL APPLICATIONS

CHEMICAL PLANTS, MARINE & MILITARY APPLICATIONS, OIL & GAS, STEEL BRIDGES APPLICATIONS REQUIRING HIGH DURABILITY, WATER RESISTANCE, AND GOOD ADHESION
SALT WATER IMMERSION, PAPER MILLS, PETROCHEMICAL PLANS
ELECTRICAL TRANSMISSION TOWERS
INDUSTRIAL AND COMMERCIAL BUILDINGS

HANDLING PRECAUTIONS REFER TO SAFETY DATA SHEET

PHYSICAL PROPERTIES	UNIT	STANDARD	VALUE
RATIO OF COMPONENTS BASE A (RESIN): ZINCODIC EXTREME PART B (HARDENER): AMINE100			100:45 BY WEIGHT 100:40 BY VOLUME
VISCOSITY PART A VISCOSITY PART B VISCOSITY AFTER MIXING A&B	cP (mPa's)	ASTM D 2196 (BROOKFIELD RV DV II,SPINDLE 29,100 RPM) AT 77°F (25°C)	350-550 350-550 350-450
DENSITY AT 77°F (25°C): PART A PART B MIXTURE A+B	lb/gal (g/cm3)	ASTM D 1298	8.72 ±0.21 (1.15±0.025) 8.2 ±0.3 (0.983±0.036) 8.76-9.18 (1.10-1.12)
ZINC CONTENT - DFT			90%
PHR FOR 100 GR WITH AMINE HARDNER			44-46
EXOTHERMIC (200 GR)			< 50°C
COLOUR	GREY		RAL 7005
GEL TIME (200 GR)	°F (°C) min	GEL TIMER GT-S-220	77 (25°C) 40
THICKNESS OF THE FILM	Mm mils		0,5-1 20-40
SOLIDS CONTENT WHEN A - B COMBINED	%		85 %
APPLICATION TEMPERATURE	°F (°C)		59 (15°C) 77 (25°C)
DRY TO TOUCH TRANSPORT READY FULL CURE	HOURS HOURS DAYS	ASTM D1640	14 7 24 18 4 3

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 SEALED CONTAINERS
- STORE AWAY FROM ACIDS, EXCESSIVE HEAT AND HUMIDITY IN CLOSED CONTAINERS

For further information please visit our website:

WWW.ZINCODIC.COM

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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	20-30

CHEMICAL & STAIN RESISTANCE			
WEIGHT GAIN AT IMMERSION IN WATER (24H AT 77°F (25°C))	%	ASTM D570	0.1-0.2
SULFURIC ACID 10% H2SO4			GLOSS REDUCTION
SODIUM HYDROXIDE 10% NaOH			NO EFFECT
MOTOR OIL			NO EFFECT
BRAKE FLUID			NO EFFECT
SKYDROL (AVIATION HYDRAULIC FLUID)			NO EFFECT