ZINC CATHODIC COATING SYSTEM

ZINCODIC EXTREME TOP COAT

GENERAL INFO

- NON ISOCYANATE POLYURETHANE
- TWO PACK SYSTEM
- APPLICATION TO WET SURFACE
- EXCELLENT ABRASION RESISTANCE
- EXCELLENT IN SALT WATER IMMERSION
- WATER RESISTANT
- CHEMICAL RESISTANCE
- EXCELLENT UV RESISTANCE
- RAL COLOUR CHART
- NO VOC
- NO HAP
- NO BPA/F
- NON-FLAMMABLE
- WITHSTANDS PH 4 - 13
- NO ROAD/AIR TRANSPORT RESTRICTIONS

ZINCODIC EXTREME TC

PRODUCT DESCRIPTION

ZINCODIC EXTREME TC IS A FLEXIBLE POLYURETHANE TOP COAT 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) HARDENER IN ORDER TO CREATE UNIQUE COATING PROPERTIES.

ZINCODIC EXTREME TC, WHEN COMBINED WITH AMINE 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.

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.

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

HANDLING PRECAUTIONS

REFER TO SAFETY DATA SHEET

PHYSICAL PROPERTIES	UNIT	STANDARD	VALUE
RATIO OF COMPONENTS BASE A (RESIN): ZINCODIC EXTREME PART B (HARDENER): AMINE 100			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 RVDV 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 OXIDE CONTENT			3 - 5%
PHR FOR 100 GR WITH AMINE HARDNER			44-46
EXOTHERMIC (200 GR)			< 50°C
COLOUR	RAL		COLOUR CHART
GEL TIME (200 GR)	°F (°C) min	GEL TIMER GT-S-220	77 (25°C) 40
THICKNESS OF THE FILM	Micron Mils		50 - 375 2 - 15
SOLIDS CONTENT WHEN A - B COMBINED	%		85 %
APPLICATION TEMPERATURE	°F (°C)		59 (15°C) 77 (25°C)
CURING TIME AT TEMPERATURE DRY TO TOUCH TRANSPORT READY FULL CURE	F (°C) HOURS HOURS DAYS	ASTM D1640	41(5°C) 95°F(35°C) 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 SEALEDCONTAINERS
- STORE AWAY FROM ACIDS, EXCESSIVE HEAT AND HUMIDITY IN CLOSED CONTAINERS

CONTACT

charles@zincodic.co.za

www.zincodic.co.za

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