



ZINC CATHODIC COATING SYSTEM



ZINCODIC EXTREME TOP COAT

GENERAL INFO

- NON ISOCYANATE POLYURETHANE
- TWO PACK SYSTEM
- 2000HRS SALT SPRAY TEST
- 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 1,0 - 13,5
- NO 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 SANITATION STANDARDS, 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/cm ³) | 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 | mm | | 0,5-1 |
| 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 | HF (°C) HOURS HOURS DAYS | ASTM D1640 | 59(15°C) 77°F(25°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 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% H ₂ SO ₄ | | | GLOSS REDUCTION |
| SODIUM HYDROXIDE 10% NaOH | | | NO EFFECT |
| MOTOR OIL | | | NO EFFECT |
| BRAKE FLUID | | | NO EFFECT |
| SKYDROL (AVIATION HYDRAULIC FLUID) | | | NO EFFECT |