



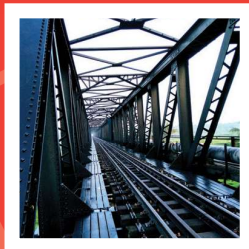
ZINC CATHODIC COATING SYSTEM



ZINCODIC 90

GENERAL INFO

- 90% ZINC HYDROPHOBIC
- ONE COMPONENT
- NON-FLAMMABLE
- RESTORES CATHODIC PROTECTION
- WITHSTANDS PH 5.5 TO 12.5
- 2000 HRS SALT SPRAY TEST
- FLEXIBLE / ABRASION RESISTANCE
- ISOCYANATE/VOC/HAP FREE
- WELDABLE



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ZINCODIC 90

GENERAL INFORMATION

ZINCODIC ® IS AN ACTIVE CATHODIC PROTECTIVE ONE COMPONENT ZINC RICH HYDROPHOBIC COATING.
ZINCODIC ® CAN BE APPLIED BY BRUSH, ROLLER, AIRLESS, OR GRAVITY FEED SPRAYING TECHNIQUE.
ZINCODIC ® LIFETIME EXPECTATION IS EQUAL TO HOT DIP GALVANIZING.
ZINCODIC ® CAN BE DUPLEX COATED WITH A COMPATIBLE TOPCOAT

CHARACTERISTICS

ZINC QUANTITY:	90% (+/- 2) WEIGHT, OF PURE ZINC IN THE DRY FILM LAYER. (OFT)
ZINC PURITY:	APPROXIMATELY 99.995% PURE.
READY FOR USE:	ONE COMPONENT ORGANIC ZINC RICH COATING.
SECURITY:	NON-TOXIC AND NON-FLAMABLE.
SPECIFIC GRAVITY:	2.45 KG/DM3 +/-0.1. +/- 85% SOLIDS BY WEIGHT
VOC (SOLVENTS):	0 GRAMS/LITRE.
COLOUR:	GREY - RAL 7005

DUPLEX SYSTEM	ZINCODIC ® CAN BE OVER COATED WITH COMPATIBLE PAINTS* , AFTER 24 HOURS BUT BEFORE 60 HOURS AFTER THE FINAL COAT IS APPLIED.
APPLICATION RANGE	AS A PRIMER 40 TO 80 MICRON DFT OR AS A 3-LAYER SYSTEM UP TO 240 MICRON
RESISTANCE TO COLD/HEAT	FROM - 40°C TO + 220°C.
APPLICATION TEMPERATURE	FROM +15°C TO + 40°C (CURING TIMES WILL DIFFER WITH TEMPERATURE)**
SUBSTRATE TEMPERATURE	MINIMUM 3°C ABOVE DEW POINT.
APPLICATION HUMIDITY	LESS THAN 85%.
PRACTICAL COVERAGE	APPROXIMATELY 27.9 SQUARE METRES AT 75 MICRON DFT.
RESISTANCE TO ACIDS/ALKALINE	APPROXIMATELY 27.9 SQUARE METRES AT 75 MICRON DFT.
PRACTICAL COVERAGE	CAN TOLERATE A PH RANGE OF 5.5 UP TO 12.5.
HIGH PLASTICITY	NO CRACKING - ALLOWS FOR EXPANSION AND BENDING OF METAL.
UV	HIGH RESISTANCE TO UV - NO IMPACT
WELD ABILITY	A 40 MICRON COAT CAN BE WELDED WITHOUT AFFECTING THE WELDED JOINT (X-RAY)
LIFE EXPECTANCY	IDENTICAL TO HOT DIP GALVANIZING OF THE SAME DFT
LIFE EXPECTANCY DUPLEX	2.5 TIMES DEPENDING ON THICKNESS OF THE DUPLEX LAYER.
CONDUCTIVITY	CONDUCTIVITY OF THE DRY FILM - GOOD.
SALT SPRAY 5% SOLUTION	ASTM B117 (2000 HRS) SGS LONDON. ISO 17025 ACCREDITED
BENDING/FLEXIBILITY	ASTM D-522
IMPACT	ASTM D2794
ABRASION	ASTM D4060-14
SALT WATER IMMERSION	ASTM G44 (90 DAVS)
CHEMICAL RESISTANCE	30 DAY IMMERSION
MIXING	MIX FOR 3-4 MIN WITH A SPIRAL PAINT MIXER AT SLOW SPEED UNTIL UNIFORMLY MIXED
SOLVENT	IF REQUIRED ADD 2% TO 4% OF ZINC SOLV B
OPENING OF PAIL	USE A 75MM STIFF SCRAPER TAPPING GENTLY UPWARD WORKING YOUR WAY AROUND THE LID UNTIL IT POPS ***
*PAINTS: MOST SOLVENT OR WATER BASED PAINT SYSTEMS CAN BE USED	

PROPERTIES

CAN BE USED AS A PRIMER OR AS A STAND ALONE GALVANIZING TOP COAT. CAN REJUVENATE HOT DIP GALVANIZING OR PREVIOUSLY COATED ZINCODIC ® COATINGS. HIGH RESISTANCE TO CORROSION.

DRY FILM REACH		COVERAGE/ 12KG	
DRYµ	DRY MILS	METERS²	FEET²
25µ	1.0 mil	83.6	900
50µ	2.0 mil	41.8	450
75µ	3.0 mil	27.9	300
100µ *2 coats	4.0 mil *2 coats	21.0	225
125µ *2 coats	5.0 mil *2 coats	16.7	180
150µ *2-3 coats	6.0 mil *2-3 coats	14.0	150
175µ *2 coats	7.0 mil *2-3 coats	12.0	128
200µ *2-3 coats	7.0 mil *2-3 coats	10.5	112
225µ *2-3 coats	9.0 mil *2-3 coats	9.3	100
250µ *3-4 coats	10.0 mil *3-4 coats	8.4	90
275µ *3-4 coats	11.0 mil *3-4 coats	7.6	82
300µ *4-5 coats	12.0 mil *4-5 coats	7.0	75
325µ *4-5 coats	13.0 mil *4-5 coats	6.4	69
350µ *4-5 coats	14.0 mil *4-5 coats	6.0	64
375µ *4-5 coats	15.0 mil *4-5 coats	5.5	60

FOR ESTIMATORS & APPLICATORS SEE THE CALCULATION

EXAMPLE:

- A.) 100m² (1076.39 ft²)
- B.) The protocol requires a 125µ (5.0 mil) coating
- C.) Evaluate the job to be coated.

eg. Fence, steel wall, piping, beams, angle iron etc.

Estimate a percentage wastage (loss) according to your evaluation.

CALCULATIONS

STEP 1:

Area + Square meter dry film coverage per pail (see table on the left)

$$100 \text{ m}^2 \div 16.7 = 5.98 \text{ pails (roundup to 6 pails)}$$

Step 2: If loss is estimated at 10%

$$6 \text{ pails} + 10\% = 6.6 \text{ pails. (roundup to 7 pails)}$$

* Coat can be applied wet on wet if coated by spraying.

$$0.001 = 1.0 \text{ mil of an inch} = 25\mu (\text{microns})$$

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

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For further information please visit our website:

WWW.ZINCODIC.COM