



ZEBRON

The Original, Proven,
100% Solids Polyurethane

www.zebron.com



P.O. Box 2874 Newport Beach California 92659
(800) 824-4214 (Toll Free) | (714) 632-6690 (Local)



INTRODUCTION

GET TO KNOW ZEBRON

ZEBRON® coatings are formulations of 100% solid "hybrid" polyurethane containing no solvents. When applied, the coatings cure with no shrinkage.



EXCEPTIONAL CORROSION RESISTANCE

ZEBRON® resists nearly all acids, bases and salt solutions over a wide range of concentrations. It is also impervious to sea water, raw and oxygenated sewage, bleaches, petroleum, vegetable oils and greases and specialty chemicals as paper mill black liquor.



HIGHLY IMPERMEABLE

ZEBRON® coatings test at least 3 times lower in vapor transmissions than other polyurethane coatings and significantly lower than epoxies. Tests show no water penetrates ZEBRON® to reach the concrete surface. Corrosion from oxygen diffusion is reduced by a factor of 10.

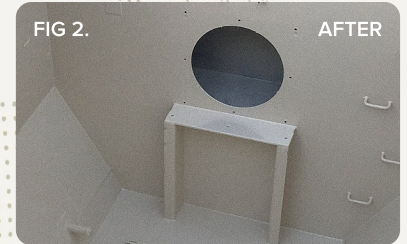


The low permeability of ZEBRON® makes it ideal for protecting sewage systems from hydrogen sulfide gas and for protecting metal surfaces from corrosive atmospheres.



ELONGATION AND FLEXIBILITY

ZEBRON® coatings will bridge cracks more than a millimeter across in concrete. A 50 mil coating on a steel plate will bend over an 8 millimeter mandrel without cracking.



RAPID APPLICATION

ZEBRON® is sprayed on the surface in one application. It can be immersed immediately and walked on in 6 hours. Full cure is 7 days. No heating, baking or after treatment is required. ZEBRON® coatings provide exceptional protection from severe corrosion and abrasion.



EXTREME HIGH BUILD

ZEBRON® coatings can be applied from 20 mils to several inches even on vertical and overhead surfaces in a single application using multiple passes without sagging or distortion.



EXCELLENT WEATHER RESISTANCE

ZEBRON® has been protecting surfaces in both desert and marine climates for many years with no chalking, embrittlement or other deterioration



OUTSTANDING ABRASION RESISTANCE

ZEBRON® is highly recommended for slurry lines, for coal and aggregate chute and exterior hulls of ships.





ZEBRON® coatings are used successfully on pipelines, storage tanks, sewage systems, pilings and ships, including ice breakers. They are also widely used in manholes, chemical and electronic plants, paper mills and petroleum refineries.



ZEBRON® has perfected the use and application technique of its coatings on a wide variety of substrates. Our system pairs the highest quality materials with more than 40 years of application expertise.



ZEBRON® #386/9000 and #486/9000 meet the ANSI/NSF Standard 61, Section 5, Barrier Materials testing requirements for use in potable water. Certification documentation is available upon request.



The Original, Proven, 100% Solids Polyurethane

PHYSICAL PROPERTIES OF ZEBRON® COATINGS

PROPERTY	MEASUREMENTS	STANDARDS
COLOR	CREAM, GRAY OR BLACK	VISUAL
SPECIFIC GRAVITY	300 SERIES: 1.3 (10.84 LBS./GAL.) 400 SERIES: 1.11 (9.23 LBS./GAL.)	ASTM D-792 ASTM D-792
TENSILE STRENGTH	2500 PSI AT 25°C (77° F)	ASTM D-638
BOND STRENGTH	2500 PSI ON STEEL	ASTM D-638
FLEXIBILITY	NO EFFECT BENDING 0.5 MM PLATE COATED WITH 20 MILS OF ZEBRON OVER MANDREL OF 8MM DIAMETER	ASTM D-792 ASTM D-792
ELONGATION	RECOVERABLE: 67% AT 25°C (77° F)	ASTM D-638
IMPACT	1. 1637IN./LB. 2. NO FAILURES	ASTM G-14 ON STEEL PIPE ASTM D-792
COMPRESSIBILITY	4200 PSI	ASTM D-695
SURFACE HARDNESS	60 TO 70	SHORE "D"
ABRASION RESISTANCE	1. 250,000 UNITS	ASTM D-658
	2. WEIGHT LOSS .0102M TABER FTMS-141 ABRASER H-10 WHEEL, 1000GMS. 1000 CYCLES	
	3. 1.4 MICRONS. HOUR FROM COATED NETHERLANDS PAINT DISC CIRCULATED AT 2800 HRS IN SEA WATER WITH 1.9% QUARTZ MEAL	RESEARCH COUNCIL TNO
	4. 1.5 MILS LOSS IN 2800 HRS IN CIRCULATING 3500% SIC AND 5% FE SLURRY	RENSSELAER POLYTECHNIC INSTITUTE
	5. TWO MICRONS WEAR FOLLOWING 1320 HOURS IN ROTATING DRUM CONTAINING ICE AND ABRASIVE PARTICLES	RENSSELAER POLYTECHNIC INSTITUTE
LEACH RATE	0.03 MG/SQ. IN. (PER EPA PROTOCOL, DECEMBER 1970)	U.S. TESTING COMPANY