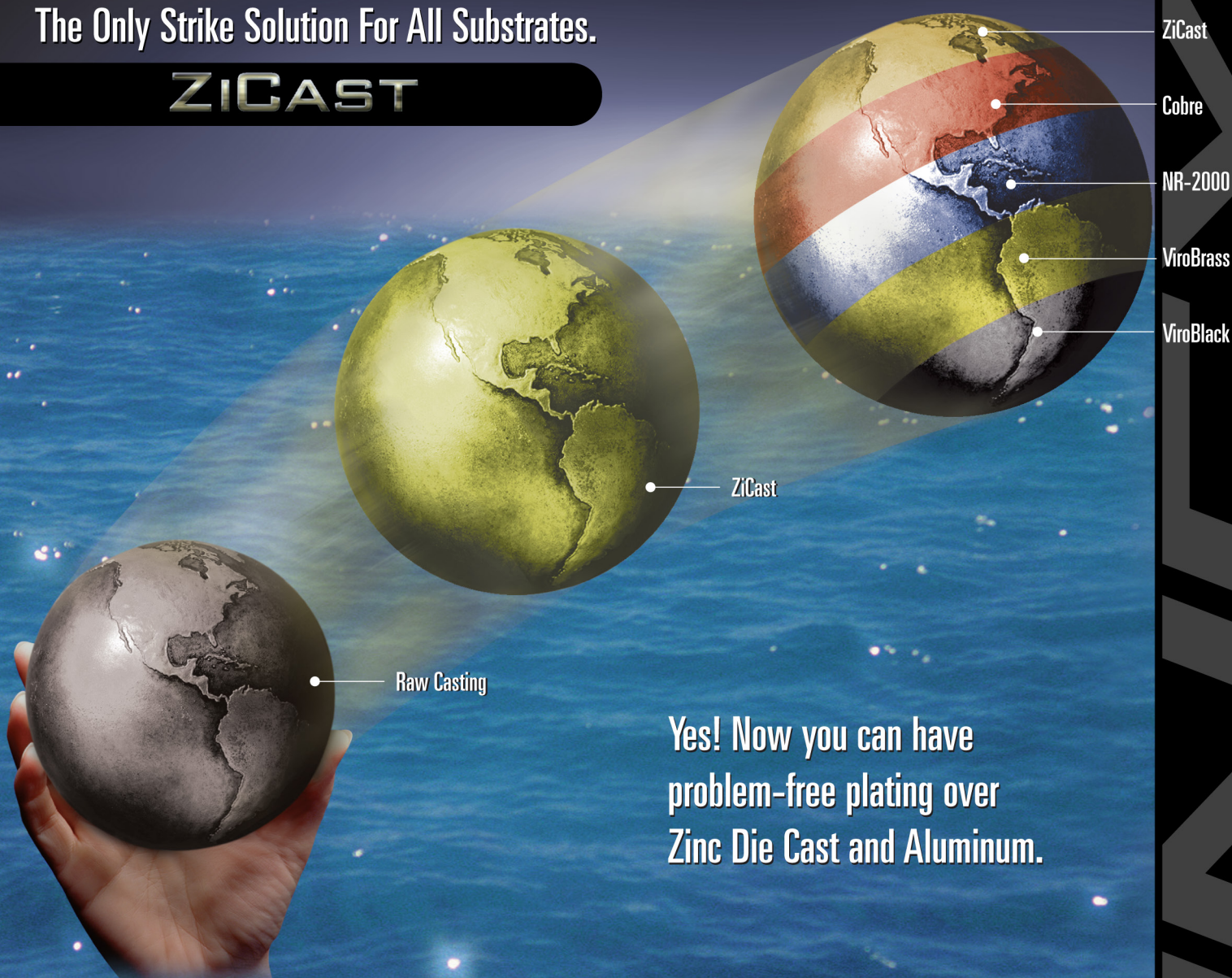


The Only Strike Solution For All Substrates.

ZICAST



Yes! Now you can have
problem-free plating over
Zinc Die Cast and Aluminum.

FEATURES

- Incredible Adhesion
- Prevents Blistering
- Excellent Throwing Power
- Easily Controlled Process
- Environmentally Friendly
- Produces Fine Grained Deposits
- No Additional Equipment
- Replaces Cyanide Copper Strike
- Tolerant to Contamination

BENEFITS

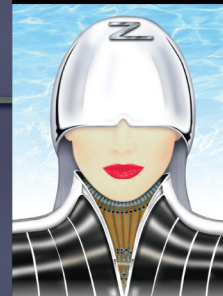
- Provides excellent undercoat to plate over
- Increases productivity by virtually eliminating rejected parts
- Allows plating of complex shaped parts
- Control and determination of additions done by titration method or AA
- No Cyanide, No Chelators, No Organics
- Enhances brightness of post-plating and greatly increases salt spray test results
- Tanks and equipment used for Cyanide Copper can be easily converted
- The first strike to completely replace Cyanide Copper in both rack and barrel
- Easy to use in high volume applications

Developing New Products & Chemical Technologies

ZINEX CORPORATION

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EMAIL: SOLUTIONS@ZINEXCORP.COM • WWW.ZINEXCORP.COM



ZiCast is a Non-Cyanide process that is stable, easy to control and suitable for rack and barrel applications over all coatings.

Operating Parameters

	Range	Optimal
Temperature	90-120°F	100°F
pH	7.4-7.8	7.6
Current Density Rack	2-10 ASF	5 ASF
Current Density Barrel	2-5 ASF	3 ASF
Voltage Rack	2-6V	3 V@<5% AC Ripple
Anodes	Stainless Steel 304/316, 1:1 Ratio or better	
Agitation	Air & Cathodic Arm movement	
Filtration	Required 80-100 micron	
Tank Material	Lined or PVC	

Solution Maintenance

Routine analytical and trouble shooting procedures are performed on a daily basis. Bath concentration is maintained by a two part replenisher.

Temperature

Although the ZiCast Bath can operate over a range of temperatures, best results have been obtained at 100° F.

PRODUCT SUITABILITY CHART

CHARACTERISTICS								PRODUCT CONTENT							SUITABLE TO PLATE OVER										UNDERCOAT TO			TEMPERATURE RANGE															
THROWING POWER OF BATH		CORROSION RESISTANCE		SUITABLE TO COAT OVER SUBSTRATE		HARDNESS		MOST INTENDED USAGE		SPECIFIC GRAVITY		MELTING POINT		FUME HOOD REQUIRED		CYANIDE	CHROME	CHELTATORS	ORGANICS	SELENIUM	LEAD	HYDROXIDES	ZINC CASTINGS	ZINC METAL	POT METAL	PEWTER	ELECTROLESS NICKEL	PLATED NICKEL	COPPER	STEEL	SINTERED METAL	TIN	LEAD	STAINLESS STEEL	ALUMINUM	GOLD	SILVER	NICKEL	160°F	140°F	100°F	80°F	70°F
G	G	G	Hard Good to Polish	Replace Cyanide Strike	8.56	882°C	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N/A	N/A	Y	N	N	Y	Y	Y			

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