



# TECHNICAL DATA SHEET

Inorganic Zinc Rich Primer  
SAE-AMS-P-38336  
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**PRODUCT:** A lead-free, high-solids, inorganic zinc-dust primer for steel surfaces. This primer is compatible with aliphatic polyurethane and enamel topcoats such as MIL-C-83286B and MIL-C-85285C.

**DESCRIPTION:** An inorganic type paint which produces a film containing high metallic zinc in contact with the steel. Like galvanizing, this zinc is electrically conductive, thereby preventing corrosion electro-chemically. It is also suitable as a finish coat on all ferrous and galvanized surfaces. Available in only in Class B, two-component.

**PROPERTIES:** COLOR..... Gray  
SOLIDS(Weight)..... 79±2%  
THEORETICAL COVERAGE..... 1000 sq.ft/gal\*  
DRY FILM THICKNESS..... 2.0 to 3.0 mils p/coat  
**DRYING TIME-AT 75 DEGREES F:**  
TO HANDLE..... 20 Minutes\*\*  
TO RECOAT..... 3 Hours\*\*  
VEHICLE TYPE..... Inorganic Alkyd  
WEIGHT/GAL..... 20.3 Lbs

\* At 25 microns

\*\*Times based on 3.0-4.0 mil dry film thickness. Higher film thickness, insufficient ventilation, or cooler temperature will require longer cure times and could result in solvent entrapment and premature failure.

**ADVANTAGES:** (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.  
(2). High Zinc Content.  
(3). Provides Galvanic Protection to Steel.  
(4). Excellent Corrosion Resistance  
(5). Excellent Foundation  
(6). Extremely Abrasion Resistant



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## APPLICATION & REDUCTION:

Intrepid's SAE-AMS-P-38336 Inorganic Zinc Rich Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 5 ounces per gallon (4% by volume) or as needed with Synthetic Reducer.

## SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

## STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

## MIXING INSTRUCTIONS FOR CLASS B:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

## PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION: Combined material may form gas and buldge container. Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.