

# ASTRA-A-RUSTLOCK ZN

One Component Moisture Cured Urethane

## product data sheet



### DESCRIPTION

ASTRA-A-RUSTLOCK ZN is a single component moisture cured urethane. This is used as Zinc rich primer and top coat too, for maximum resistance to rust/ corrosion undercutting. This has high solids, VOC compliant coating.

### USES

- High performance Zinc rich primer or protective single coat on steel where maximum resistance to corrosion under cutting is required.
- High performance as primer in long life, high durability urethane system for Tanks, Chemical and Marine structures and Bridges.
- Best possible Zinc-rich coating for use in field applications where weather limits the use of other zinc coatings.

### ADVANTAGES

- Single component – no mixing errors
- Can be applied in cold, damp conditions at humidity up to 99%.
- Excellent impact resistance.
- Can be applied at low temperatures to below freezing.
- Best corrosion resistance of all zinc primers when used as top coat
- Out performs as inorganic zinc three coat system.
- Zinc stays in solution once stirred.
- Ease in applying and recoat.
- Highly resistant to mud cracking
- Recommended for immersion applications when used as top coat.

### PROCESS

ASTRA-A-RUSTLOCK ZN is a single component urethane, therefore, no mixing is involved. Easy application with brush or spray. Use as primer as well as top Coat in very harsh environment such as marine, chemical atmosphere. While using as top coat, ensure the under coat is cured to tack free, and the surface is clean.

In case spray equipment is used for applying ASTRA-A-RUSTLOCK ZN, It is essential for all the equipments to be dry. Avoid any moisture contact with the product to prevent premature reaction. If reaction of batch occurs while applying, flush and clean the tools with Astra solvent to avoid built up and clogging.

### MAINTENANCE OF EQUIPMENT

Remove all excess clog and any smears. Spray equipment, gun or tools are best cleaned before and immediately after use. Astra solvent may be used for flushing/cleaning, which is optional.

### PRECAUTION

While working with ASTRA-A-RUSTLOCK ZN, safety goggles, gloves, nose masks and safety clothing must be worn at all times. While working at heights, all safety measures must be adhered to. Store all materials and equipment safely and out of reach of children. Observe container labels/markings. In case of contact with skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers, eyewash stations.

## ASTRA-A-RUSTLOCK ZN

### TECHNICAL INFORMATION & PHYSICAL DATA

Parameter	Property
Material	Single component Moisture Cured Urethane.
Color	Silver-Grey
Finish	Matte
Solids by volume	70 +/- 2%
Weight in kg/Liter	2.7 kg/Ltr
Pigment	83% Zinc in Dry Film
Flash Point	>40°C
Temperature resistance (dry)	150°C continuous and 175°C interemittent
Estimated Coverage	7m <sup>2</sup> / Liter @ 75 microns DFT
Recommended DFT	100 - 125 micron
Curing @ 25° C	Tack free: 20min; Handle:8hrs; Recoat:4hrs; Stack: 10hrs.
Tensile Strength	7390 psi
Mildew Resistance	Excellent (ASTM D3273)
Scrub Resistance	ASTM D2486
Flexibility	ASTM D522
Impact Resistance Direct	ASTM D2794
Adhesion	ASTM D3359
Weathering	2000 hours
Salt Spray	ASTM B117 upto 15000 hours
Water Vapor Transmission	ASTM D1653
Shelf life	12 months in unopened original container

## DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the Master **“Drawings and Details”** guide for actual drawings.

## GUIDE SPECIFICATIONS

This product is part of the family of ASTRA POLYMER systems. Please refer to the master **“Specifier's Guide”** for complete three part guide specs.

## MOISTURE CONCERNS

Please refer to the Coating Evaluation Flow Chart in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

## CLEANING

This product is considered to be a low maintenance coating solution, however, certain textures and service environments require specific procedures. Please refer to the master **“Cleaning Guide”** for more information.

## JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

## CAUTION

Adequate cross ventilation should be provided. Read, understand and follow Material Safety Data Sheets and Application Instructions of this flooring system prior to use. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed.

Before using any ASTRA. product, be sure the Material Safety Data Sheet is read and understood.

## WARRANTIES

Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product.