

# A·R·C·HITECTURAL<sup>®</sup>

## ROOF COATINGS



MADE IN  THE USA

### ● **PRODUCT DATA SHEET**

## HydroSHIELD<sup>™</sup> Rust Inhibitor

#### **DESCRIPTION**

HydroSHIELD<sup>™</sup> Rust Inhibitor is an emulsion of high grade acrylics and resins in water. It contains no co-solvents and dries by evaporation. HydroSHIELD<sup>™</sup> Rust Inhibitor incorporates state-of-the-art chemistry to prime metal surfaces, stopping rust dead in its tracks. The combination of ingredients in HydroSHIELD<sup>™</sup> Rust Inhibitor employ three mechanisms to neutralize rust and prevent its recurrence. First, HydroSHIELD<sup>™</sup> Rust Inhibitor interrupts the electro-chemical oxidation process at the positive pole or anode, preventing oxidation. Second, HydroSHIELD<sup>™</sup> Rust Inhibitor acts as an alkaline buffer, counteracting certain acids which can accelerate formation of rust. Third, as an elastomer, HydroSHIELD<sup>™</sup> Rust Inhibitor forms a tough, elastic barrier between the metal and the atmosphere, isolating the surface from the oxygen required to create rust.

#### **APPLICATION**

Surface should be clean, dry and sound. Existing surface dirt, oil, tar, grease and film should be removed from surface by approved methods prior to application of HydroSHIELD<sup>™</sup> Rust Inhibitor (see specification for Metal roofing). HydroSHIELD<sup>™</sup> Rust Inhibitor can be applied by brush, roller or airless spray equipment. It should be applied evenly without buildup. Multiple coats are recommended.

#### **BENEFITS**

No organic cosolvents	Labor, time, and cost saving
Abrasion resistant	Easy clean up with soap and water
Launderable	Flexible
Non-Toxic	Stop Rust
Nano-processed	

#### **TECHNICAL DATA**

FLEXIBILITY:	Passed 180° Mandrel Bend Test with no cracking	ASTM D-3111 at -20°F
FUNGAL GROWTH:	No fungal growth on sample.	Tropical Chamber ASTM D-3273-73T
SALT SPRAY:	500 hours with no reoccurrence of rust on surface. Rated 10 - excellent for not blistering and 10 - excellent for not rusting.	ASTM B-117 Salt Fog Chamber
COVERAGE:	100 - 300 sq. ft. per gallon depending upon conditions	
COLOR:	Yellow	

**CAUTION:** *High humidity requires a longer time for water-based coatings to form a film that is rain resistant.*

- Avoid breathing fumes and prolonged contact with skin. Do not ingest. Keep containers covered when not in use. When using, provide proper ventilation. Dispose of product and container in accordance with local disposal codes.

**CONSULT ARC TECHNICAL DEPARTMENT  
FOR ANSWERS TO ANY QUESTIONS  
REGARDING USE OF THIS PRODUCT**

System warranty available. When sold separate from system there is no warranty given, expressed or implied, through the values or statements made here, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by our in house and independent third party labs in order to obtain approval and/or classification. Acceptance, purchase and selection of these products are the sole responsibility of the buyer, buyer's agent, or the buyer's customer. ARC assumes no responsibility for coverage, performance, or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER GUARANTY OR WARRANTY OF ANY KIND IS MADE BY ACE ROOF COATINGS, INC. OR ITS SUBSIDIARIES, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING COSMETIC APPEARANCE, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.