



1. Product Name

AltoRust™ is a water based product developed to stop rust.

2. Manufacturer

RMI, Inc. (RoofMart International, Inc.)
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3. Product Description

BASIC USE

AltoRust™ is a water based product that changes iron oxide to iron phosphate – an inert compound – making the surface ready to coat. Roof decks, support beams, air conditioning units, metal buildings - virtually any metal surface can be treated with AltoRust™, increasing the coating adhesion.

PRIMARY USE

AltoRust™ is a perfect companion for roofing applications for aging metal systems.

OTHER USES

AltoRust™ can be applied to remove rust from any metal surface. It will remove bleeding rust from painted surfaces.

CHARACTERISTICS

AltoRust™ is unique – while chemically removing rust, phosphating of the metal simultaneously occurs. An insoluble phosphate coating is produced consisting of a nonconductive layer of crystals that insulate the microanode and microcathode centers caused by stress or imperfections in the metal surface, greatly reducing the severity of electrochemical corrosion(rust). A nonconductive resin binder forms secondarily to the initial deoxidizing/phosphating reaction completing the coating by filling the voids between the crystals totally insulating the metal. AltoRust™ is water-based, nonflammable, and can be sprayed, rolled or brushed. One gallon covers 1000 square feet.

ADVANTAGES

- AltoRust™ can replace sandblasting or other mechanical rust removal methods for one tenth of the cost.
It penetrates to remove rust from microscopic subsurface pores of the metal as from the surface.
If AltoRust™ dries before rust is deoxidized, it has the ability to absorb moisture from the air allowing it to continue to work for some time.

COMPOSITION & MATERIALS

TABLE 1 – Chemical Properties of AltoRust™
PROPERTY TYPICAL VALUE
Appearance Clear, colorless, syrupy
Odor Mild odor, fatty
Chemical Family Mineral Acid
Vapor pressure (mm Hg) 2 mm @ 20°C
Vapor Density (air = 1) 19.86
Boiling Point 212°F
Flammability Flammable
Solubility Water soluble
Evaporation Rate 1

LIMITATIONS

Use AltoRust™ in a well ventilated area. Keep containers closed in a cool, dry place.

4. Installation

PREPARATORY WORK

Remove loose debris and dirt from metal surface.

APPLICATION

Apply with sprayer, roller or brush at a rate of one gallon per 1000 sq.ft.

5. Availability & Cost

AVAILABILITY

RMI Products are available through an international network of representatives, distributors and dealers. Contact RMI, Inc. for the name of the nearest supplier.

COST

RMI Roofing Products are competitively priced.

6. Warranty

RMI, Inc will refund the price or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, RMI makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall RMI be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

7. Technical Services



Technical assistance including more detailed information, product literature, test results, project lists, assistance in preparing specifications and application supervision are available by contacting RMI, Inc. or the nearest RMI representative.

8. Filing systems

- Website (www.roofrmi.com)
- Additional product information is available from the manufacturer.