



## TECHNICAL DATASHEET

**PRODUCT NAME – RUST-X VCI Paper**

**PRODUCT CODE – VCI Crepe Paper**

### PRODUCT DESCRIPTION

RUST X manufactures VCI Crepe Papers which have exceptional strength, tear resistance. Volatile Chemicals coated on Natural Kraft Paper can provide protection for long time in packaged condition.

Goods wrapped in or protected by RUST-X VCI crepe paper are not affected by corrosion. The reason for this is that the air surrounding the metals protected with RUST-X crepe paper.

RUST-X VCI crepe paper is very heavily impregnated with the inhibitors released from the protective paper.

The micro-moisture droplets become so heavily impregnated with corrosion inhibitors released from RUST-X VCI crepe paper that these droplets themselves become rust preventives, and will not form corrosion on the metal surfaces. In effect corrosion cannot occur in vicinity of the VCI crepe Paper.

VCI Crepe papers are used to protect components that require high shelf life and protection against corrosion.

These have a high VCI chemicals carrying capacity and are useful in protecting components for

longer periods and also provide better abrasion resistance compared to thin film plastics.

The Rust-X VCI Multi metal paper is free of nitrites or secondary amines.

### FEATURES

- Economical to use
- Easy to install Protects up to 10 years
- Effective dry protection
- Specially developed for Iron & Aluminum, Copper, Zinc, Chrome and all metals and non-metals
- Protects mostly all metal systems
- Easy to use and only needs to be wrapped or placed along with the part to be protected
- Can also interleaved within metal plates or sheets

### APPLICATIONS

- Plated Metal parts
- Electronic circuitry
- Electronic PCB's
- Wrapping electrical parts
- Application Method: Wrapping the components, placing in vicinity of the components (1/3 of surface area)



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### TECHNICAL SPECIFICATION

Physical Properties	Test Method	Values
Weight of crepe	T-410	130-
VCI COATING (gsm)	T-410	10+/-4 GSM
Burst Factor	T-410	25+ BF
Colour	T-410	Brown
Elmendorf Tear (MD/CD)	T - 414	60/50 g/ply
Tensile Strength (MD/CD)	T- 404	10/4 lbs/in
Thickness	T- 411	150 microns
Corrosion Test	B-117-09	Pass 48
Creping %		25% GSM
German VIA Test	TL 8435-0002	Grade 3 (Best)
American FED Standard	FED -101C-4031	Passes
Protection Properties (outdoor)	Estimation	Up to 6 Months
Protection Properties Indoor -	Estimation	Up to 2 Years
Shelf Life		6 Months (In cool & dry

### PROTECTION CHART

Provide Full Protection	Cast Iron, Mild Steel
Provide Mild Protection	Zinc or Galvanized, Aluminum
Not recommended	Chrome, Brass, Bronze & Silver
Testing recommended	Copper, Brass, Bronze, Silver

### APPLICATION PICTURES





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### PACKAGING AND STORAGE

Available in Rolls, Sheets, Bags, Envelopes. Store in a cool dry place and always keep Paper sealed when not in use.

### DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.

### HEAVY METALS DECLARATION

RUST-X Rust Preventive products do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the restricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

### SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information

- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.
- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

### DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.

### LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by HI TECH INTERNATIONAL/RUST-X or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be



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limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Rust-X, Hi Tech International or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

Kazakhstan Korea Latvia Lithuania Luxembourg Malaysia Mexico Monaco Morocco Nepal Netherlands Nigeria Norway Peru Philippines Poland Portugal Republic of Congo Romania Russia Singapore Slovak Republic Slovenia South Africa Spain Sri Lanka Sweden Switzerland Taiwan Thailand Tunisia Turkey Ukraine United Arab Emirates and MENA (Middle East & North Africa) United Kingdom United States Uruguay Vietnam

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall HI TECH INTERNATIONAL/RUST-X be liable for incidental or consequential damages.

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## GLOBAL SUPPORT

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