



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X VCI Paper Non Laminated

PRODUCT CODE – VCI ALFE Paper 602

PRODUCT DESCRIPTION

RUSTX VCI Paper 602 ALFE is a non-laminated corrosion inhibiting paper that provides long term corrosion prevention for Aluminum & Ferrous metals.

RUSTX manufactures VCI Papers which have high strength, tear resistance as well as puncture resistance. Volatile Chemicals coated on Natural Kraft Paper can provide protection of up to 10 YEARS in packaged condition.

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

VCI 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 ALFE paper is free of nitrites or secondary amines.

FEATURES

- Economical to use
- Easy to install Protects up to 5 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

- Protection of Ferrous (Fe) & Aluminum metal (AL) components
- Coils and CR sheets from adversities of sea humidity



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- Storage in open, storage in warehouses for longer periods and other related schemes.

APPLICATION PICTURES

TECHNICAL SPECIFICATION

Physical Properties	Test Method	Value
Weight of base paper (gsm)	70 GSM +/- 5%	T-410
VCI Coating	12-15 GSM	ASTM D- 1777
Breaking Factor (lbs/in)	29.39/26.36	ASDM 882-98
Elmendorf Tear MD/CD	99.73/88	ASTM D 1922-94A
Tensile Strength at break (lbs)	27.7/25.5	ASTM D882-98
Tensile Strength at peak (psi)	1077.10/979.2.33	ASTM D882-98
Puncture Resistance (Joules)	0.165	ASTM D 3420-95-B,
German Razor Blade Test	Pass	German Razor Blade Test
Corrosion Protection Test	Pass	MIL- 3420





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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 diphenylether complying with the re-stricted 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 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



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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.

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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Revision No. 2 Revision Date: Jan 2019

