



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X VCI HDPE PAPER

PRODUCT CODE – VCI HDPE PAPER 180 GSM

PRODUCT DESCRIPTION

RUST X manufactures VCI HDPE Papers 180 GSM which have exceptional strength, tear resistance. Goods wrapped in or protected by RUST-X VCI HDPE paper are not affected by corrosion. The reason for this is that the air surrounding the metals protected with RUST-X HDPE 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 HDPE 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 HDPE Paper.

VCI HDPE 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

FEATURES

- Economical to use
- Easy to install
- Protects up to 2 years
- Effective dry protection
- Specially developed for Iron & Aluminum
- 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 be interleaved within metal plates or sheets

APPLICATIONS

- For protection of metallic or nonmetallic components
- Coils and CR sheets from adversities of sea humidity
- Storage in open, storage in warehouses for longer periods and other related schemes.

USAGE

Application: All substrates should be clean and contaminant free and apply HDPE paper.

PACKAGING AND STORAGE

Store in a cool dry place and always keep VCI HDPE paper sealed when not in use.



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TECHNICAL SPECIFICATION

Physical Properties	Test Method	Value
VCI coating (gsm)		12.5+/- 4 GSM
Burst Factor of Paper		4.5 kg/sq cm
Burst Factor of HDPE		12.3kg/sq cm
Tear Strength MD		2996 gmF
Tear Strength CD		2633 gmF
Tensile Strength MD		228 kg/cm ²
Tensile Strength CD		172 kg/cm ²
Elongation MD		133%
Elongation CD		127%
Weight of total uncoated material		180 gms per sq m
pH of Treated paper		7.0
Corrosion Prevention Properties		
Vapour inhibiting humidity chamber test	TL 8135-002	PASS
Razor Blade Test		Pass
VCI Test (VIA)	TL8135-0002	Pass
Contact corrosion test in humidity chamber test	120+ hours – PASS	(standard – IS6262 – 1972)
Water penetration test	16 hours PASS	as per IS 1398
Protection Properties Indoor - Packed)		Up to 2 Years
Shelf Life		2 year (In cool & dry environment)

Other Properties	Layer 1	Layer 2	Layer 3	Layer 4
Weight of Material 180 gm + - 5%	20 Microns PE	Fabric 70 GSM or 8x8 or 10x10	20 Microns PE	70 GSM Paper

APPLICATION PICTURES





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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 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



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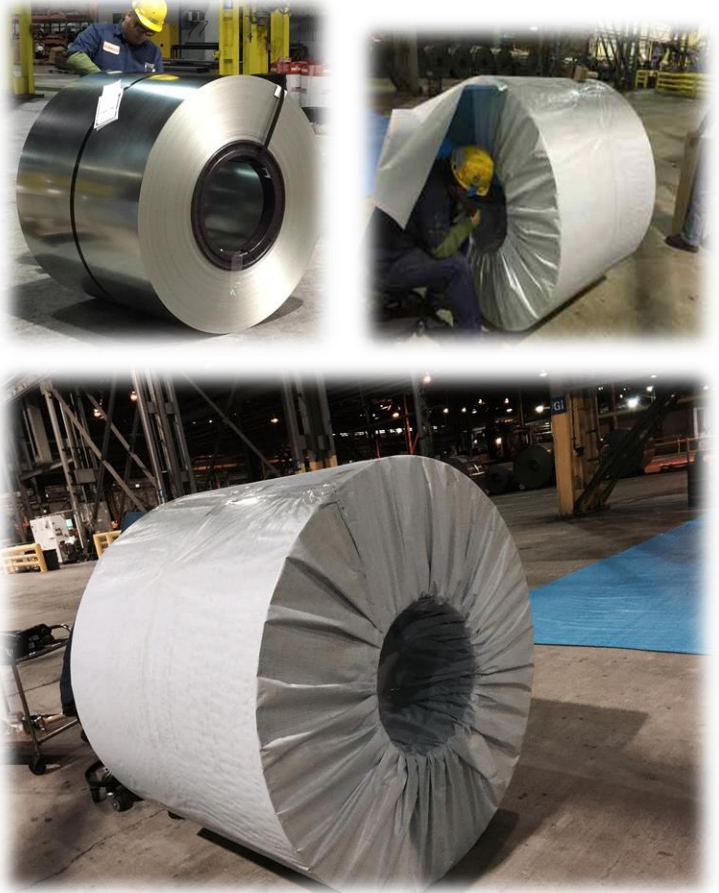
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liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

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.

GLOBAL SUPPORT

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USA - 14310 Gannet St , La Mirada, California
 info@rustxusa.com www.rustxusa.com
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