



TECHNICAL DATASHEET

PRODUCT NAME – VCI Power Stretch Film

PRODUCT CODE – VCI 740

PRODUCT DESCRIPTION

Rust-X VCI Power Stretch films are manufactured using our proprietary Speedy Moisture Passivation (SMP) Technology and provides long term corrosion protection to the packaged parts. Rust-X VCI Power Stretch films when stretched on metal products isolate the packed coils and sheets from the influx of humidity and the VCI neutralizes the environment inside the package.

The Rust-X VCI Power Stretch Films contain cross linked polymers to enhance the tensile strength and tear resistance. The cross linked structure prevents tear propagation in the event of a puncture or shear damage. The increase in tensile strength with the upto 3 times higher than convention stretch films.

RUST-X VCI Power Stretch films are suitable for ferrous and non-ferrous metals and inhibit the onset of corrosion, tarnishing etc., for up to 5 years when used with a complete system designed by Rust-X.

Rust-X VCI Power Stretch films are multi-layered and made from special proprietary additives that increase the strength between the molecular chain thereby providing a film with a very high tear

strength, tensile strength and dart impact. Additionally, the inherent cling properties of the film provide better sealing between overlapped layers during wrapping.

The film is designed to be used for wrapping circular and irregular shaped products with deep and sharp curvatures. The film is compatible to be used with all major automated machines for stretching. The primary use of the film is to wrap steel, galvanized steel or aluminum coils using a through the eye wrapper. And the adoption of advanced Rust-X additives significantly increases the cocooning effect.

FEATURES

- Powerful and extremely strong and excellent pliability to conform to coil configurations
- Multi-metal VCI protection for all surfaces
- High stretch ability
- Sharp edge resistance due to multi-molecular linking for increased strength
- Minimal equipment investment with substantial reduction in labor costs
- Increased production through-put
- Reduces usage cost and associated problems
- Dry packaging compatible product
- Quick to use, remove and easy to recycle

APPLICATIONS



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- Steel Coils
- Galvanized sheets and coils
- Metal Tubes and wires
- Electrical grade steel
- Stainless steel
- Copper and Aluminum sheets
- Wrapping metal bodies, engines, turbines, heavy equipment
- Wrapping castings, forgings, sheet metal
- Wrapping electrical panels, motors

USEAGE

The Rust-X VCI Power Stretch films are easy to install in machines. Custom sizes, lengths, thicknesses and core ID's can be provided. VCI Power Stretch films provides improved corrosion protection without sacrificing load holding performance.

PACKAGING AND STORAGE

Store in a cool dry place and always keep VCI film wrapped 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.

TEST DATA (SAE 1010 Carbon Steel)

Physical Properties	Test Method	VCI Stretch Film
Color	Visual	Transparent, Blue, White, Yellow or another specific
Thickness Availability	Micrometer	Approx. 80 microns,
Specific Gravity	ASTM D 1298	Approx 1
Surface pH	Universal Indicator Solution	8 to 9
Salt Spray in VCI	ASTM B 117	24 hours +
Tensile Strength MD / CD	ASTM D882-Kg/cm202	105+ / 95+
Elongation at Break MD/CD	ASTM D882-02 %	Min. 600% / 500%
Dart Impact Strength	ASTM D1709-04 / A (gf)	Min.1500
PE Content	Rust-X Method	40-50%
VCI Content	Rust-X Method	12-15%
Other proprietary blends	Rust-X Method	30-40%
UV protection	Months	12-24 months
Printing	No of Colors	Upto 6
Width range	Mm	100mm – 1000mm

SAFETY INFORMATION



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- 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.

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.

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

APPLICATION PICTURES



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



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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 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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