



TECHNICAL DATASHEET

PRODUCT NAME – VCI WATER BASED COATING

PRODUCT CODE – VCI WRP 657

PRODUCT DESCRIPTION

VCI WRP 657 is an environmentally friendly water based coating to be applied on parts and equipment which require very high corrosion resistance in humid conditions.

VCI WRP 657 is a single pack polymer coating which is water based and solvent free, hence, an eco-friendly option for a clear coat compared to solvent based two pack or single back systems.

The water based coating is non-toxic, without VOC, and forms a tack free transparent surface upon drying. The coating can be used on all kinds of metal surfaces, brass as well as on coated surfaces such as phosphate, plated or surfaces with black oxide layer on them.

Drying time usually is 15-30 minutes at room temperature. The color during application of the product is white and upon drying forms a fully transparent coat.

Vapor phase action provides protection to areas that contact inhibitors cannot reach and are active in the content of the solution in a high percentage to provide a very long corrosion prevention life.

APPLICATIONS

- Easy to use by brush or dipping.
- Provides long term protection in the open environment
- Highly hydrophobic and repels water if it comes in contact
- Can be used as an underbody coating for vehicles, machineries
- Resistant to melting at up to 80C & so can be used even in process equipment where high temperatures are involved
- Protects parts for up to 2 years in open environment and up to 5 years indoor

FEATURES

- Fast-drying, non-flammable
- UV resistant when dried
- Forms non-flammable, protective barrier
- Optimal outdoor performance
- Clear coating allows visual inspection of metal substrate
- Available in standard and custom colors
- Standard version is a Transparent Solution
- Multimetal protection
- Does not contain free amines
- Environmentally friendly
- Provides long term corrosion inhibition for metals, wood, plastics or non-metals.



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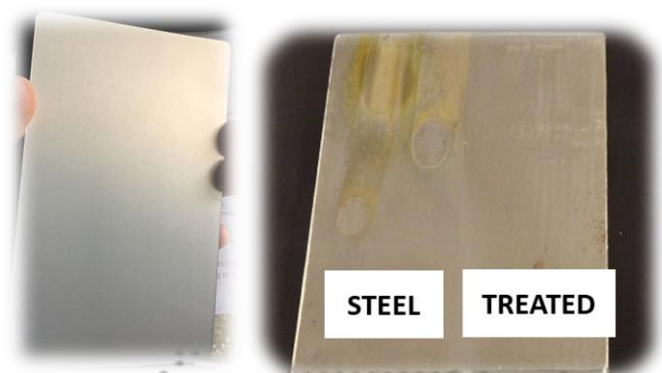
TECHNICAL DATA

Physical Properties	Test Method	Value
Colour	Visual	White
Specific Gravity	ASTM D 1298	0.98-1.03
Drying Time		15-30 minutes
Water by % (by weight)		60-65%
Salt Spray Test (2 mil/50 microns)	ASTM B 117	750+
Humidity Chamber Test (2mil/50 microns)	ASTM D 1748	2000 hrs +
Freezing Point		0 °C
Specific Gravity	ASTM D 1298	0.98-1.03
Dry film thickness		25-75 microns(1-3 mils)
Wet film thickness		50-200 microns(2-8 mils)
Protection life		Up to 3 Years
Density kg/m ³ @ 15.6 °C		1.05
Viscosity cSt @ 100 °C		350
Flash Point °C		290
Melting r Pour Point °C		160
Approx. coverage M/2L		40
Method of application		By brush or dip

USAGE

- Ready to use solution and can be applied by spray, brush or dipping
- Clean the area to be protected using a cleaning agent
- Apply with a brush, spray or by dipping in the area to be protected
- Ensure that all the area gets completely covered with the coating
- Apply 2-3 or multiple coats for higher protection and thickness
- Free from Phosphorous

APPLICATION PICTURES



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



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disposed in the same manner as the product.

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.
- 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 re-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

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 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.



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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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