

RUST-X USA

Technical Datasheet

Product: VCI HDPE PAPER

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Product Description

RUST X manufactures VCI HDPE Papers 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

Product & Application Images



Suitable For

Protection of metallic or non metallic components, coils and CR sheets from adversities of sea humidity, storage in open, storage in warehouse for longer periods and other related schemes.

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 interleaved within metal plates or sheets

Application

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

Properties

Physical Properties	Value				
Weight of base paper (gsm)	60 GSM +- 5%				
VCI coating (gsm)	10 +/-4 GSM				
Burst Factor of Paper	4.5 kg/sq cm 3.				
Burst Factor of HDPE	12.3 kg/ sq cm				
Elmendorf Tear DIR I	1285				
DIR II	800				
Weight of total uncoated material	150-160 Gms per sq m				
pH of Treated paper	7.0 - 8.0				
Corrosion Prevention Properties					
Vapour inhibiting humidity chamber test	PASS	TL 8135-002			
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 years (In cool & dry environment)				
Other Properties	Layer 1	Layer 2	Layer 3	Layer 4	VCI Coating
Weight of Material = 150 - 160 gsm + - 5%	Lamination 15 gsm	Fabric 60 gsm	Lamination 15 gsm	Paper 60 gsm	10 gsm

Packaging Available

Rolls, Sheets, Bags, Envelopes

Disposal

Wastes should be disposed off in accordance with local regulations.

Recommendation: Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Packaging that may not be cleansed must be disposed off in the same manner as the product.

Safety Information

RUST-X Rust Preventive Oils 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

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