

RUST-X USA

Technical Datasheet

**Product: VCI COPPER SHIELD
PAPER**

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Product Description

Copper Shield is specialty grade VCI paper meant for Copper Products, Brass, Bronze and is also effective for items containing Zinc Plating, Silver, Nickel, Chrome, Aluminum or other platings.

Copper Shield protects by the vapor corrosion inhibiting action and forms a multi-molecular protective film, which hinders and negates the effect of moisture and other harmful gases that may cause tarnishing or corrosion.

Copper Shield is a high end product available for specialized applications to protect copper sheets, copper tubes, brass artifacts, copper coated MIG wire and bead wire, electrical copper strips, engine bearings that may contain copper, tin and aluminum, engine bushes, copper strips for electrical applications as well as other multi metal plated articles.

The product is available upto 1 meter sheets and can be supplied in strips on rolls and cut sheets.

The two available grades are:

- Copper Shield – Non laminated
- Copper Shield – Laminated with high strength super lamination for extra moisture and water protection.

Product & Application Images



Not Treated with any VCI when Exposed to humidity for 1 hour

Treated with VCI Paper Then Exposed to humidity for 1 hour

Suitable For

Mig wire, Copper wire, Copper Sheets, Electronic PCB's etc.

Features

- Economical to use
- Easy to install
- Protects up to 5 years
- Effective dry protection
- Specially developed for Cu & Alloys
- 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

- Mig Wire
- Copper Sheets
- Copper/Brass Tubes
- Copper /Silver Ornaments
- Copper/Silver Wires
- Silver ware
- Plated Metal parts
- Electronic circuitry
- Electronic PCB's
- Wrapping electrical parts

Properties

Physical Properties	Test Method	Copper Shield - Non Laminated	Copper Shield Laminated
Colour	Visual	Light Brown	Light Brown
Thickness		105 microns	117microns
GSM		75-85 gsm	85-95 gsm
Printing		Blue	Blue
Paper Burst Factor		28-32	45-50
Water permeability after 24 hours		Yes	None
Smell		Mild	Mild

Packaging

- 40" X 250 Meter Rolls
- 20"X250 Meter Rolls
- 10"X250 Meter Rolls
- 92 mm X 250 Meter Rolls
- 90 mm X250 Meter Rolls
- 95 mmX250 meter rolls
- 100mmX250 Meter Rolls
- 90mmX1000mm
- 92mmX1000mm
- 95 mmX1000mm
- 100mmX1000mm



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 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

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