



HIGH PERFORMANCE VpCI™ PACKAGING

VpCI™ Corrosorber® Paper

Tarnish Inhibitor for Silver, Copper, and Brass



PRODUCT DESCRIPTION

VpCI™ Corrosorber® paper is a tarnish inhibiting packaging paper specifically for precious metals such as silver, gold and tin. VpCI™ Corrosorber® paper is a unique product, in that one side of the paper has a special coating that scavenges or seeks out H₂S gas. When a significant amount of H₂S gas has been absorbed by the paper, the paper will change color from light blue to brown. On the other side of VpCI Corrosorber paper, is a tarnish inhibitor that will protect precious metals for up to two years or until the opposite side of the paper has significantly changed color from light blue to brown. VpCI™ Corrosorber paper will eliminate the need for coatings and tarnish removers that are often associated with precious metals. Rest assured, knowing that your valuable precious metals will have the same exact appearance as prior to using VpCI™ Corrosorber® paper. VpCI™ Corrosorber® paper will in no way hinder further processing of your precious metals. VpCI™ Corrosorber® paper is simple to use, simply wrap your precious metals and fold edges together so there is no free airflow. The VpCI™ coating on the

paper vaporizes, reaching all metal surfaces to provide complete tarnish inhibition. With many tarnish inhibitors, there is a need to remove after use, but with VpCI Corrosorber paper, there is no removal needed of the inhibitor. VpCI™ Corrosorber paper will in no way affect further processing of the precious metal or affect physical properties such as conductivity or surface resistivity.

TYPICAL APPLICATIONS

VpCI™ Corrosorber® paper can be used to protect products for storage and shipment in a wide variety of ways. Use VpCI™ Corrosorber® paper for single item packaging or for multiple item packaging. Insert strips for recessed areas in large packages, for sheet liners or separators between products

- Electrical and electrical components, controls, etc
- Finished products: silverware, jewelry box linings, precious metal shipping container linings, wrapping for precious metals

FEATURES

- Contains hydrogen sulfide scavenger and saturation indicator
- Effective against aggressive environments including humidity, SO₂, H₂S and galvanic corrosion from dissimilar metals
- Combines protection from tarnish and packaging into one step
- Non-toxic. Contains no nitrites, phosphates, silicones, chromates or other heavy metals

METHOD OF APPLICATION

VpCI™ Corrosorber® paper is a multicolored paper. One side being white, and opposite side the color blue. When packaging, the white colored face of the paper must face to the metal. The opposite side of the paper, which is blue, will then absorb contaminants, thus preventing them from reaching the surface of the metal.

Products should be packaged as soon after cleaning as possible, but completely dried of residual water. Keep



VpCl™ Corrosorber® paper near the surface of the product as practical, leaving no barrier between the VpCl Corrosorber® paper and the metal surface.

Use approximately 1 square foot (0.09 m²) of VpCl™ paper for every 3 square feet (0.28 m²) of surface to be protected, and 1 square foot (0.09 m²) of VpCl™ Corrosorber® paper for every 0.5 cubic foot (0.01 m³) of void space. For long term storage exceeding two years, enclose the wrapped product in an airtight package.

METALS PROTECTED

- Silver
- Gold
- Tin
- Iron alloys
- Copper
- Brass
- Aluminum alloys

**Hydrogen sulfide cycling test results
(50°C/16 hours, 25°C/8 hours)**

H₂S Concentrate	
Sample	Result
Unprotected Silver	Heavy Tarnish
Silver protected with VpCl Corrosorber Paper	No visible Tarnish

TYPICAL PROPERTIES

Typical Properties	Method	Unit	Corrosorber paper
Basis weight	T-410	lbs/3000 ft ²	40
Caliper (thickness)	T-411	Mils (µm)	3.35(85)
Tear -MD	T-411	grams	48
Tear - CD	T-411	grams	41
Puncture Resistance	ASTM D-3420-45B	grams	195

PACKAGING AND STORAGE

Available in standard and custom size rolls and sheets.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY SEALED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA
 Phone (651) 429-1100, Fax (651) 429-1122
 Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
 Internet http://www.CortecVCI.com

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