Complete Packaging
& Corrosion Prevention Technology

MANUFACTURED IN THE USA

*1 - Disclaimer: Not all products are manufactured in the USA but some are
From the Management

people who **strive for excellence**

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The Saga

RUST-X is the market leader of Corrosion Prevention Solution globally & manufacturing over 500 products in three manufacturing locations globally. Rust-X caters to over 10,000 customers with a presence in all major states and cities of India.

The group is in existence for more than 30 years. Hi Tech is the fastest growing Rust Preventives manufacturer in the Indian industry with growth rates of more than 100% year on year for the last 4 years.

Our solutions work for the customer in the first recommendation which is due to our technical knowledge and experience.

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**Snapshot of Products**

**all products are made in house**

- **VCI Paper**
- **VCI Plastics**
- **Steel Mills**
- **Industrial Lubricants**
- **RP Oils**
- **Nail-less Boxes**
Our solutions

Rust-X manufactures wide range of lubricants, washing solutions, rust removers, packaging, knock down wooden pallets, VCI corrugated boxes, 8 colour printed films, desiccants, emitters and even corrosion engineers to the clients.

This enables customer perceive and rely on us for corrosion prevention and packaging needs ultimately providing a complete solution to the client.

Our rust doctors

Rust-X has over 600 + products in its range. Our continuous R&D based on client needs has helped evolved this extensive range of products with the help of our on site and laboratory rust doctors.

Technically qualifies rust doctors are 250+ in numbers across the globe and due care has been taken to train and develop their skills to propose right solutions and products.

Our SMP VCI Technology

Rust-X patented technology of speedy moisture pasivation has helped automotive, aerospace, engineering and heavy metals industry a great deal.

SMP VCI acts within seconds and lasts upto 15 years. Previous industry standards of 6-8 hours of VCI action resulted in non de-activation of moisture and acceleration of corrosion when goods were packed.

Understanding client needs

Ensuring compliance with us
Our path for Growth

Doing better every time is what keeps us on track to achieve our goals.

Our aspiration to bring Delight to our customers is the key to our growth story

Innovation in product and manufacturing technology and providing solutions is our key factor for sustenance of revenues and reputation

Roadmap to Growth

- 2005 Product acceptance in many OEM's. Only 30 products in Rust-X range
- 2008 Rust-X lubricants and over 50 various grades of Rust Preventive Oils added to offer a complete Corrosion Prevention and Packaging Solution to clients
- 2010 Rust-X starts warehousing and manufacturing Globally
- 2014 Rust-X become sole suppliers to many OEM's and has over 600+ products in its range catering to over 5000+ customers globally. Rust-X has over 750,000 sq ft of manufacturing and storage space and is present in 35 countries that covers all continents.
Our Clients
for whom we care

OEM
Original equipment manufacturers

Auto Components
Heavy Equipment, Power, Turbines

Steel Mills
Heavy Equipment, Power, Turbines

Infrastructure
Heavy Equipment, Power, Turbines

Government
 tier 1 & 2

Rest Without Rust

REVITALISING CLIENT RELATIONSHIP

OVER 5000+ CLIENTS GLOBALLY

- 92% of our clients that started business since inception are still our customers
- 87% of our clients suggest that our solutions are better performing than competition
Global Network

- **USA**: Manufacturing Plant LA, California & Warehouse in Texas and New Jersey
- **South America**: Manufacturing in Italy and France
- **Europe**: Manufacturing in Italy and France
- **Nordic**: Warehouse for the Nordic countries in Finland
- **Russia**: Warehouse in Moscow
- **India**: Manufacturing in Mumbai, Delhi, Ludhiana
- **Australia**: Manufacturing and Warehouse in Australia

**Global Clients Nos.**

- 2000
- 500
- 150
- 300
- 1500
- 5000

**Growth in revenue**

**30 times from 2004-2014**

**Growth in Revenue**

- 2004-2014
- 15% annual growth
Manufacturing Plant

- Punjab India
  - Manufacturing plant of co extruded films, lubricants, papers, desiccants, emitters and engine oils
  - 250,000 sq ft

- Delhi NCR, India
  - Manufacturing plant of co extruded films, monolayer films and warehouse for lubricants
  - 45,000 sq ft

- Mumbai, India
  - Manufacturing plant for films, papers, desiccants, emitters and warehouse for industrial lubricants
  - 70,000 sq ft

- California, USA
  - Corporate office
  - 2,500 sq ft

Warehouse/Office

- Delhi NCR, India
  - Manufacturing plant for films, papers, desiccants, emitters and warehouse for industrial lubricants
  - 40,000 sq ft

- Lyon, France
  - Manufacturing plant of co extruded films, monolayer films and warehouse for lubricants
  - 50,000 sq ft

- Australia
  - Manufacturing plant for chemicals and warehouse for films, papers etc.
  - 35,000 sq ft

- Italy
  - Manufacturing plant for films, papers, desiccants, emitters and warehouse for industrial lubricants
  - 100,000 sq ft

- Dubai
  - Warehouse for films, papers, lubricants and other products for the Middle East
  - 40,000 sq ft
The Real VCI Test
is in your hands, myths of VCI unfolded

VCI regulates the pH value of the packaging. pH Red litmus solution can be poured inside the VCI film. The colour of the pH liquid inside the VCI film will change immediately from red to blue/green indicating the neutralizing action of VCI against acidic environment. When you order next make sure to do this test to validate your purchase.

Ph Value inside VCI Packaging

VCI SMP TECHNOLOGY

VCI SMP technology passivates the metal’s surface as well as deactivates the humidity surrounding the metal components. They have sufficient vapour pressure to evaporate and travel to mix with the humidity and essentially reach the surface of the metal. 20% of the VCI Chemical reacts within 6 hours and balance in 5-15 years.

- Physical hydrophobic molecular barrier deposited on surface
- Vapour phase deactivation of moisture
- Passivation of electron flow between anode and cathode
- Regulation of pH

What is Corrosion?
Corrosion is chemical action which causes destruction of the surface of a material by oxidation or chemical combination. Corrosion Engineering has become an important area of expertise in Engineering Industry. There are several ways of combating corrosion of which most contemporary, cost effective and advanced, clean and with least environmental and health hazards is the usage of Volatile Corrosion Inhibitors also known as VCI Technology.

Causes of Corrosion

Container Rain
Changes in temperature during the sail causes sudden evaporation and condensation called as Container rain ranging upto 100% humidity inside container. Acidic sea humidity causes reaction with metal at much faster rate than components lying in factory floor. Corrosion Engineering makes it possible to decide, use and implement a complete system to counteract the adverse sea conditions.

Plastics are H₂O Permeable
LDPE, HDPE etc. have porosity of water also termed as Water Vapour Transmission Rate (WVTR) to the extent of 4 gms/sqm/24 hours.
To make this full proof chemicals need to be present inside the packaging to continuously react with moisture and neutralize it to inhibit breathing of packaging.

Humidity in Boxes
Starch present in boxes is hygroscopic. It absorbs moisture present in the atmosphere to a tune of 15-60% of the weight of corrugation. Under ambient conditions, the moisture levels absorbed in corrugation are always more than 15%. Once the temperature in the container rises, the moisture is released to surrounding metal (being cooler).
**VCI Sheets and Rolls**

<table>
<thead>
<tr>
<th>Product Code - VCI 701</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
</tr>
<tr>
<td>Tube Sizes</td>
</tr>
<tr>
<td>Sheet Size</td>
</tr>
<tr>
<td>Colour</td>
</tr>
<tr>
<td>Printing</td>
</tr>
</tbody>
</table>

VCI sheets and rolls are available in various sizes and can be used for wrapping large or small components or equipments and for covering corrugation / honeycomb layers.

**VCI 2D Bags**

<table>
<thead>
<tr>
<th>Product Code - VCI 702</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
</tr>
<tr>
<td>Bag Sizes</td>
</tr>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Colour</td>
</tr>
<tr>
<td>Printing</td>
</tr>
</tbody>
</table>

VCI 2D Bags are used for the packaging of small components which are further put into pallets or boxes.

2 D bags are loaded with SMP technology VCI chemicals to prevent corrosion and abrasion whilst giving complete transparency and viewability of the product.

**VCI 3D Carton Liners**

<table>
<thead>
<tr>
<th>Product Code - VCI 703G, 703H and 703 FL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
</tr>
<tr>
<td>Tube Sizes</td>
</tr>
<tr>
<td>Colour</td>
</tr>
<tr>
<td>Printing</td>
</tr>
</tbody>
</table>

Corrugations contain high level of humidity. VCI 3 D Carton Liners are used to protect steel components from effects of moisture. These are available as per the size of the carton in a Gusseted (703 G), 5 sided extended height (703 XH) or 6 sided bag with a flap (703 FL).

**VCI 3D Pallet Liners**

<table>
<thead>
<tr>
<th>Product Code - VCI 704G, 704H &amp; 704FL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
</tr>
<tr>
<td>Tube Sizes</td>
</tr>
<tr>
<td>Colour</td>
</tr>
<tr>
<td>Printing</td>
</tr>
</tbody>
</table>

It is important to seal the packaging to attain an inert atmosphere with the Pallet box and restrict the influx of moist air. 3 D Pallet Liners are used to form an air-tight atmosphere and prevent corrosion due to saline sea humidity entering the pallets.

These are available as per the size of the carton in a Gusseted (704 G), 5 sided extended height (704 XH) or 6 sided bag with a flap (704 FL).

**Ideal to Pack:**

Parts | Electronics | Steel Plates and Coils | Machines | Engines | Transmissions

**Specs:**

- Size: 4” to 200”
- Printing: 6 colour
- Roll Size: Custom
- Thickness: 30 microns+
Ideal to Pack:

After Market Parts | Electronics | Steel Plates and Coils | Machines | Engines

VCI PLASTICS
using SMP VCI Technology

VCI Bubble Wrap

Product Code - VCI 706

VCI bubble wraps are used where impact protection such as dents, scratches are required on the parts during shipment and storage. These can be provided in the form or sheet or in custom sized bags.

- Thickness: 75 / 90 / 120 gsm
- Tube Sizes: 3” to 40” bags
- Colour: Blue/Yellow/Transparent

VCI Zip Lock Bags

Product Code - VCI 707

VCI Zip Lock bags are used to pack components which need removal and resealing.

These are also used where multiple products are packed in a bag and then need to be used one by one over a longer time period.

- Thickness: 100 / 150 microns
- Bag Sizes: 3” to 30” width bags
- Colour: Blue / Yellow / Transparent

VCI Foam

Product Code - VCI 708

VCI Foam is used to wrap parts which may be susceptible to scratches, dents along with corrosion.

VCI Foam provides cushioning effect with impact resistance.

- Thickness: 1/3/5/7/10/20/50mm
- Type: Sheet, bags and rolls
- Lamination: PE Available
- Colour: White / Blue

VCI Printed Films

Product Code - VCI 709

VCI Printed films have seen a growing demand in the auto industry especially for use in aftermarket spares. A great way to protect parts and brand your product.

Holographic films can also be embedded in the pouch to protect from counterfeit products.

- Thickness: 75 to 300 microns
- Tube Sizes: 4” to 40” tube
- Colour: Custom
- Printing: Upto 8 colours

Specs:
- Size: 4” to 200”
- Printing: 6 colour
- Roll Size: Custom
- Thickness: 30 microns +
**COIL PACKAGING**

and rust preventive oils

**VCI Woven HDPE Papers**

HDPE fabric reinforced paper or PE provides superior corrosion prevention with its 15-18gsm coating of VCI chemicals. PE lamination on the outside inhibits any moisture entering the packaging and HDPE fabric provides extreme strength to the total reinforced hence providing an extremely useful combination of corrosion prevention.

**VCI Tuff Films**

The VCI Tuff tubes is applicable to ferrous metal, alloys steel, cast iron, copper, brass, bronze, plated metal zinc and its alloys, chrome and its alloys, cadmium and its alloy, tin and other metal materials and their products. The film has high strength and provides extremely good corrosion protection in the hollow of tubes.

**Adhesive Films**

Protective film is based on PE Film and BOPP Film treated with special proprietary adhesives and several special additives. The adhesive is colorless and transparent with good tenderness and stickiness and enjoys wide application in surface protection on various plates, sheet, profiles, boards, etc. The sheet can be printed in upto 6 colours.

**VCI Crepe Papers**

VCI Crepe Papers are manufactured to provide extreme strength, abrasion resistance, cushioning between layers and corrosion protection to the components around which it is used. Creping helps elongation of Crepe Paper during automated wrapping and protects tearing of paper from sharp edges. Elongation can be controlled and set to 25-100% of actual length.

**VCI Stretch Film**

VCI stretch film contains Vapour Corrosion Inhibitor properties to provide anti-corrosion protection to stretch wrap packaging applications. Our VCI stretch films deliver cost effective corrosion protection to ferrous and non-ferrous metals, metal parts especially steel coils, wires, strips and tubes.

**Ideal to Pack:**

- Coils
- Wires
- Rebars
- CTL Sheets and Plates
- Machinery
- Rods
- Colour Coated Steel
- Galvanized Steel
- Stainless Steel
- CR
- HR
- Aluminum
Aluminum barrier foils are a perfect combination to reduce moisture penetration inside the packaging and provide shelf life of up to 15 years. It has extremely low water and oxygen transmission rates. It can be vacuum and heat sealed and the inner layer of the aluminum foil can have VCI protection to protect corrosion of metals.

Another alternate is with metal barrier protection that has an aluminum coated polyester with VCI LDPE combination can be used in applications where high level of protection is required where VCI can protect parts in highly demanding areas.

Aluminum Barrier and Metal Barrier Metbar Films have Water Vapor Transmission Rates of 0.1% compared to normal LDPE. It gives protection against moisture, oxygen transmission, corrosion, physical damage, odor transfer, UV radiation, chemicals, and has good aesthetics and high puncture resistance. Corrosion is kept at a bay by maintaining humidity level below 40% RH.

It gives overall cost reduction by way of reduced desiccant/preservatives, packing case cost and rejections due to corrosion and spoilage of packed products.

**Ideal to Pack:**
- Machines
- Engines
- Heavy Equipment
- Parts
- Control Panels
- Food grade

**Specs:**
- Size: 4” to 200”
- Printing: 6 colour
- Roll Size: Custom
- Thickness: 100 microns +
Shrink films are made from high quality resins to cover almost anything. There is a wide range of widths, lengths and mil thicknesses and colors. All our shrink wraps contain maximum UV inhibitors to last as long as 10-15 years in open.

Shrink films can be heat shrunk using a hot air electric gun, gas gun or flame gun which are also available with us. Shrink covers of custom sizes made in rolls, bags or sewn for specific applications can be custom developed. They can also be printed for signifying usage or can be colour coded.

RustX VCI Lamina Films are manufactured using state of the art SMP Technology for speedy moisture passivation and provides long term corrosion protection to the packaged parts. VCI Lamina Films when sealed isolates the packed coils and sheets from influx of humidity and VCI pacifies the environment inside the packaging. VCI Lamina films are suitable for ferrous and non-ferrous metals and inhibit the development of corrosion, tarnishing etc for up to 5 years in a complete system designed by RustX.

RUST-X VCI Lamina Shrink Film is a specially designed product for the packaging of heavy equipment, armament, pallets, vehicles, automotive parts, engines, wind mills, power plant equipment, chemical plant equipment etc. RustX Films are cross linked which increases the strength between the molecular chain and provides very high tear and tensile strength and dart impact.

The film can be printed in up to 6 colours.

Lamina Shrink Films have outer layer white and inner layer colour blue. The Inner Layer is a special VCI Coated film to provide long protection.

Specs:
- Size - 4” to 600”
- Custom Bags
- Printing - 6 colour
- Roll Size - Custom
- Thickness - 100 microns +

Ideal to Pack:
- Boats
- Helicopters
- Jet Engines
- Machinery
- Heavy Equipment
- Military Equipment
- Naval Equipment
- Large automotive parts
- Castings
Export Grade with VCI

Export Grade Rust preventives provide corrosion prevention against the most corrosive sea environment during exports. The VCI oils work in vapour phase as well as contact phase and protect the component for a longer duration providing longer packaged and storage life to the components. These are available in variety of grades with varying film thicknesses for various end use applications that match customer requirements of degreasing & dewatering properties, film thickness, colour, protection period, washability, smell etc.

Domestic Grade

Rust-X Rust Preventive oils for domestic are well suited for inland transportation and short to long term storage. The oils are contact inhibitors and protect the metal from oxidation.

These are soft film. Solvent based or solventless. Dewatering, degreasing odourless rust preventive oils available in variety of grades with varying film thicknesses for various end use applications that match customer requirements. VCI chemicals deactive acidic humidity providing elongated protection periods.

Product Codes

<table>
<thead>
<tr>
<th>Export Grade</th>
<th>Domestic Grade</th>
<th>Film Thickness</th>
<th>DRY</th>
<th>OCC</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>135 A - Ex</td>
<td>135 A</td>
<td>1 micron</td>
<td>Y</td>
<td>N</td>
<td>Dry to touch oil for castings, machined components, engine parts. Engine oil compatible oil and distinctly need washing before fitting. Less fuming during induction heating &amp; welding.</td>
</tr>
<tr>
<td>135 C - Ex</td>
<td>135 C</td>
<td>3 micron</td>
<td>Y</td>
<td>N</td>
<td>Film compatible for application on all kinds of parts. Provides slight lubrication sheen to castings, forgings, machined components, valves.</td>
</tr>
<tr>
<td>135 E - Ex</td>
<td>135 E</td>
<td>5 micron</td>
<td>Y</td>
<td>N</td>
<td>Slight lubricating film rust preventive. Most versatile grade for all applications. Works well for castings, forgings, machined components, sheet metal parts, pin, rolls, antes, flanges, gear boxes, transmissions etc.</td>
</tr>
<tr>
<td>135 HD6 - Ex</td>
<td>135 HD6</td>
<td>15 micron</td>
<td>Y</td>
<td>N</td>
<td>For parts that have to be stored in open environment or for longer periods as well as for components where thick viscous film is acceptable on the parts. Used for process equipment, oil rig equipment, large castings.</td>
</tr>
<tr>
<td>135 C - Ex (AFR)</td>
<td>135 C (AFR)</td>
<td>2 micron</td>
<td>Y</td>
<td>N</td>
<td>Acid Fume resistant grade for tubes &amp; CR sheets/bodies. Thin film, non-sticky, transparent. Excellent corrosion prevention in corrosive environment.</td>
</tr>
<tr>
<td>135 E - Ex (AFR)</td>
<td>135 E (AFR)</td>
<td>3 micron</td>
<td>Y</td>
<td>N</td>
<td>Acid Fume resistant grade for steel Tubes, CR Sheets and components that have to be exposed to corrosive environments during storage or manufacturing. Thin film, non-sticky, transparent.</td>
</tr>
<tr>
<td>135 A - Ex</td>
<td>135 A - Ex</td>
<td>6 micron</td>
<td>N</td>
<td>N</td>
<td>Solvent free rust preventive oil. Light film, no smell. Ideal for components that require some lubrication during use or fitting. Also usable for electrostatic spraying.</td>
</tr>
<tr>
<td>145 A - Ex</td>
<td>145 A - Ex</td>
<td>10 micron</td>
<td>N</td>
<td>N</td>
<td>Solvent free rust preventive oil. Light film, no smell. Ideal for components that require some lubrication during use or fitting. Also usable for electrostatic spraying.</td>
</tr>
<tr>
<td>135 C - EX</td>
<td>being used for gears</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>135 E - Ex</td>
<td>being used for brake discs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>135 A - Ex</td>
<td>being used for brake discs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120 A - Ex</td>
<td>being used for cranks &amp; shafts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specs:

- Size: ~2’ to 200’
- Printing: 2 colour
- Roll Size: Custom
- Thickness: 30 microns +

Ideal to Pack:

- Coils
- Gears
- Auto Parts
- Shafts
- Cylinder Liners
- Pistons & Pins
VCI PAPERS

high loading of chemicals for long life

VCI 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. Goods wrapped in or protected by RUST-X VCI paper are not affected by corrosion.

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Protection For</th>
<th>Printing</th>
<th>Lamination</th>
<th>Period</th>
<th>Oiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCI Paper 602</td>
<td>Ferrous &amp; Aluminum</td>
<td>Red</td>
<td>Unlaminated</td>
<td>6-12 mths</td>
<td>VCI</td>
</tr>
<tr>
<td>VCI Paper 603</td>
<td>Ferrous &amp; Aluminum</td>
<td>Red</td>
<td>Laminated</td>
<td>2 year</td>
<td>VCI</td>
</tr>
<tr>
<td>VCI Paper 604</td>
<td>Cu, Brass, Bronze, Tin, Solder &amp; other multimetal systems</td>
<td>Blue</td>
<td>Unlaminated</td>
<td>6-12 mths</td>
<td>VCI</td>
</tr>
<tr>
<td>VCI Paper 605</td>
<td>Cu, Brass, Bronze, Tin, Solder &amp; other multimetal systems</td>
<td>Blue</td>
<td>Laminated</td>
<td>2 year</td>
<td>VCI</td>
</tr>
<tr>
<td>VCI Paper 606-Long Life</td>
<td>Steel products for a longer protection period</td>
<td>Green</td>
<td>Unlaminated</td>
<td>2 years</td>
<td>Preferred</td>
</tr>
<tr>
<td>VCI Paper 607-Long Life</td>
<td>Steel products for a longer protection period</td>
<td>Green</td>
<td>Laminated</td>
<td>5 years</td>
<td>Preferred</td>
</tr>
</tbody>
</table>

HDPE fabric reinforced paper provides superior corrosion prevention with its coating of VCI chemicals and superior corrosion prevention especially for storage in open areas and long sea shipments.

The PE lamination in layer 1 and layer 3 inhibits any moisture entering the packaging. Layer 4 (outer) is also available as lamination layer.

VCI paper with HDPE reinforcement is used to package products which require very high abrasion resistance under high loads. The VCI woven HDPE reinforcement provides remarkable tensile, puncture and tear strength along with water proofing qualities.

VCI Crepe Papers are manufactured to provide extreme strength, abrasion resistance, cushioning between layers and corrosion protection to the components around which it is used. Creping helps elongation of Crepe Paper during automated wrapping and protects tearing of paper from sharp edges. Elongation can be controlled and set to 25-100% of actual length.

Specs:
- Size: 2” to 200”
- Printing: 2 colour
- Roll Size: Custom
- Thickness: 100 gsm +

Ideal to Pack:
- Coils
- Gears
- Auto Parts
- Shafts
- Cylinder Liners
- Pistons & Pins
These are dry to touch oils that leave no stains or residue on the components. The chemical and the oil forms a soft film settles in the cavity of metals roughness and protects the metal from finger rusting, settlement of moisture, coolants causing corrosion and acid fumes.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Film Thickness</th>
<th>Protection Period</th>
<th>Drying Time</th>
<th>Flash Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL000</td>
<td>0 micron</td>
<td>½ hr.</td>
<td>5 mins.</td>
<td>40°C</td>
</tr>
<tr>
<td>CL002</td>
<td>0.2 micron</td>
<td>5 Days</td>
<td>5 mins.</td>
<td>40°C</td>
</tr>
<tr>
<td>CL005</td>
<td>0.5 micron</td>
<td>30 Days</td>
<td>5 mins.</td>
<td>40°C</td>
</tr>
<tr>
<td>CL002H</td>
<td>0 micron</td>
<td>½ hr.</td>
<td>30 mins +</td>
<td>90°C</td>
</tr>
<tr>
<td>CL002HFP</td>
<td>0.2 micron</td>
<td>5 Days</td>
<td>30 mins +</td>
<td>90°C</td>
</tr>
<tr>
<td>CL005HFP</td>
<td>0.5 micron</td>
<td>30 Days</td>
<td>30 mins +</td>
<td>90°C</td>
</tr>
<tr>
<td>Cl000 QD</td>
<td>0 micron</td>
<td>½ hr.</td>
<td>30 sec.</td>
<td>40°C</td>
</tr>
<tr>
<td>Cl002 QD</td>
<td>0.2 micron</td>
<td>5 Days</td>
<td>30 sec.</td>
<td>40°C</td>
</tr>
</tbody>
</table>

Aquaflush is specially designed for achievement of low Millipore values on components. It is used in inter-operational and final cleaning operations of multi-metal parts and components and is suitable for use in a wide range of industrial spray and intensive flood wash machines.

Aquaflush is particularly recommended where corrosion protection during short-term storage is required. Aquaflush effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives and general dirt.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Protection Period</th>
<th>PH</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQ03</td>
<td>2 days</td>
<td>9</td>
<td>2-3%</td>
</tr>
<tr>
<td>AQSYN</td>
<td>2 days</td>
<td>14</td>
<td>2-5%</td>
</tr>
</tbody>
</table>

Leak testing in water causes deposition of water on metal surface resulting in high moisture content around metal surface. Often heating is done to dry off the water which is a slow and costly method. Rust Preventive additives when added with water stops inter process corrosion and protection for a period of upto 7 days. RPA4500 also prevents fungal and bacterial growth for 3-6 months.

**Features:**
- Low millipore
- Low consumption
- Rust Protection
- Mild pH

**Ideal to Pack:**
- Coils
- Gears
- Auto Parts
- Shafts
- Cylinder Liners
- Pistons & Pins
VCI Stretch Film is a special tacky film with ultra high tensile strength, excellent elongation, superior dart, tear and puncture resistance combined with corrosion resistance for metallic component packaging.

The film is available in rolls ranging from 150 mm to 2500 mm width and can be used for automated or manual packaging.

The Stretch film also finds application in cocooning steel, aluminum or copper coils. Once cocooned, the product has excellent performance in shower test and does not allow water to penetrate.

The overlapping layers seal the film due to the adhesion forces between the film layers forming an air-tight packaging system where water and air are not allowed to permeate through the overlaps.

**USP**

- VCI for upto 5 year protection
- High tackiness for better adhesion
- 600% + stretch
- Printing available
- Ideal for automatic wrappers
- Suitable for aluminum and steel

**Application**

- Can be used to pack: Coils, Rods, Components, Machines

**Cost savings** at least 30%*

**Stretchability** of 280% vs 600% competitor vs RustX film

**Ideal to Pack:**

- Coils
- Gears
- Auto Parts
- Shafts
- Cylinder Liners
- Pistons & Pins
Neutrasafe rust remover is a Neutral pH & Safe rust remover which selectively attacks only the rust particles on the metal surface and removes them into the solution.

The process is very simple and involves only dipping the part completely into the Neutrasafe solution. The part can also be cleaned by taking a soft sponge or ScotchBrite pad and soaking in the Neutrasafe Rust Remover Solution and then wiping it over the rusty part.

The time for rust removal may vary from 10 seconds up to a few minutes depending upon the amount of rust on the part and process. In case the rust is superficial, there will not be any marks on the part after the removal of rust. However, in case there is severe pitting on the part developed, the surface may lose shine in the area that had developed severe corrosion.

On the pH scale the Neutrasafe is more alkaline than the orange juice and Coca Cola and the pH is similar to that of human skin.

- Rust Removal in 5 minutes
- Available in Powder and Liquid
- Transparent Solution with no odour
- No special precautions required
- Easy disposal

Ideal to Pack:
Castings | Forgings | Sheet Metal | Sintered Metal | Galvanized

Worldwide Delivery in 5 Days
Seal your bags to inhibit influx of moisture in your packaging and prevent outflux of VCI from the packaging.

Handy PPM and pH meters can be used even by the operators. No more reliance on lab chemists for obtaining data.

Heat Sealer
Seal your bags to inhibit influx of moisture in your packaging and prevent outflux of VCI from the packaging.

Humidity Meter
Humidity meter is the best equipment of control to check moisture in boxes and wood. Sharp high tensile steel teeth provide longer life.

Flange Savex
Rustx VCI Metalbarrier film. Available in various sizes.

Corrugated Boxes
Corrugated Boxes with special toughening of flute to withstand upto 3MT load. The flute is bidrectional to provide better strength.

Stretch Films
Special hand and machine stretch films available in both pre or post stretch. Available in various sizes & thicknesses.

Refractometer
Check the conc of your coolants or emulsions using high accuracy refractometer.

German Pallets
German Pallets made from wood chips and wood waste. It can hold upto 3MT of weight.

VCI Tablets
1 gm VCI tablets are compressed VCI chemical for protection of parts that require special advanced corrosion inhibition and for hard to reach spots where direct packaging cannot be used.

Air Pouch Machine
Air pad machine for applications of high risk to protect damage to components and parts.

Air Pouch Machine Jumbo
Air pad machine for applications of high risk to protect damage to components and parts.

Hand Stretch Wrapper
Hand stretch wrapping device for ease of packing pallets, boxes or machines etc. effortlessly.

Ideal to Pack:
Metal | Electronics | Garments | Furniture | Polymers | Food Grade Materials

Specifications:
Size: 2" to 200"
Printing: 2 colour
Roll Size: Custom
Thickness: 30 microns +
Emitters & Desiccants
emit it absorb it and protect it

Protecting 5000+ units globally

VCI Emitter 4200
VCI 4200 Emitter are unique devices designed to provide corrosion protection for metal components and parts enclosed in Non-Ventilated carton boxes, cabinet or pallets and containers. These work by emission of VCI chemicals.

They are available as breathable pouches that do not leave any powder dust or secrete water on the parts in contact.

**Dosage**: 5gms per 10 cu ft, **Available in**: 5/10/20/50 gms

VCI 4500 Emitter + Desiccant
VCI 4500 is a combination of VCI Emitter & desiccant to provide absorption of moisture and emission of VCI chemicals. It is a great dual action formula pouch with 50% content as VCI powder and other 50% as humidity absorbent desiccants. It provides a great way to protect components, machinery or parts. It reduces the confusion for using 2 products i.e. desiccant and emitter combined to a single combo pouch.

**Dosage**: 50 grams for 25 cu ft, **Available in**: 50/100/250 gms

VCI 19000 Dehumidifier
VCI 19000 Desiccant is a drying agent used to lower the moisture content of air inside a closed space. The moisture is entrapped in the sieves of the desiccant and cannot be transferred back to environment even at high temperatures. It can be used for food and non food grade applications.

**Dosage**: 50gms per 10 cu ft, **Available in**: 5/10/20/50gm

VCI EMITTER 5 AND 11
VCI Emitters are used to protect electronic and metal components from the wrath of corrosion.

Emitters can be placed in the vicinity of the electronic and metal components which are in an enclosed environment. The VCI molecules evaporate from the breathable membrane and provide long term corrosion protection from humidity and corrosive gases such as H2S, NH3 and SO2 etc.

**Dosage**: Emitter 5 for 5 cu ft and Emitter 11 for 11 cu ft

Specs:
- **Size**: 2” to 200”
- **Printing**: 2 colour
- **Roll Size**: Custom
- **Thickness**: 30 microns +

Ideal to Pack:
- Casting | Forging | Sheet Metal | Sintered metal | Machined parts | Machinery

Protecting 5000+ units globally
Collapsible Boxes

more than 100 products to choose from

Collar-Hinge Pallet boxes offer a very convenient solution for economic, reusable and globally recyclable system of packaging for automotive and electronic components. The pallet can be assembled and disassembled in layers and provides easy placement of parts which have to be placed in different layers as well as easy removability during use or on assembly lines.

These are available in different standard and custom sizes to suit customer requirements. Dividers and partitions are also available to allow different layers and separations between components to prevent collision of parts during sea or land transportation.

These are made from high-quality wood and can be reused from 15-20 times. 15-20 containers shipped of boxes with parts can be brought back in 1 container for reuse.

These are easy to assemble boxes supplied in flat form and are delivered as pallet base and sides. The boxes are made of special high-strength Plywood with sides made up of steel hinges that provide high strength for stacking of pallets.

The complete pallet can be assembled within a few minutes by fixing the steel tongues into the hinges.

As supplied the pallets consume only 20% of the volume compared to assembled boxes.

These are available in standard Euro Sizes and can also be supplied in custom sizes to suit client requirements.

Features:
- Size: Custom
- Globally Recyclable
- Globally Reusable
- Light Weight
- Only 15% space required for storage

Ideal to Pack:
- Metal
- Electronics
- Garments
- Furniture
- Polymers
- Food Grade Materials
Rust Preventives & Cleaners

more than 100 products to choose from

PROTECTING YOUR WORLD WITH THE BEST SOLUTIONS
DRY TO TOUCH OILS AVAILABLE

Rust Preventives & Cleaners

 Worlds Best Rust Preventives - up to 5 years Corrosion Prevention

Rust Preventive Oils

<table>
<thead>
<tr>
<th>Rust-X Rust Preventive Oils are engineered to provide best protection for domestic and export of metals and non-metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Series - Solvent Based</td>
</tr>
<tr>
<td>135 C 2-3 microns</td>
</tr>
<tr>
<td>Export Series - Solvent Based</td>
</tr>
<tr>
<td>135A-Ex &lt;1 microns</td>
</tr>
<tr>
<td>Export Series - Heavy Duty</td>
</tr>
<tr>
<td>Rust-X 30-6 Microns</td>
</tr>
<tr>
<td>Heavy Duty Series - Waxy Film</td>
</tr>
<tr>
<td>HD5=15 Microns, HD7=25 Microns</td>
</tr>
<tr>
<td>Tectonic - Hard Film</td>
</tr>
<tr>
<td>Tectonic 506 - 25 microns - Dark Brown Hard Film</td>
</tr>
<tr>
<td>Solvent Less Rust Preventive</td>
</tr>
<tr>
<td>120A &lt;1-2 Microns</td>
</tr>
<tr>
<td>132A &lt;4-5 Microns</td>
</tr>
<tr>
<td>145A &gt;8-10 Microns</td>
</tr>
<tr>
<td>Aluminum Rust Preventives</td>
</tr>
<tr>
<td>C002 &lt;1 microns</td>
</tr>
<tr>
<td>Tube and Wire Mills</td>
</tr>
<tr>
<td>137 C 2-3 microns</td>
</tr>
</tbody>
</table>

Water Based RP Oils

 Economical water based series for emulsions in water

Water based RP oils have to be mixed in DM water and then dried in oven at 80 C for 3-6 hours

| WRP945 |
| Conc 6-10% in water |
| 3 micron polymer film |
| Rust prevention for upto 6 months |
| WRP 911 - Ready to use |
| Medium Film Forming |
| 4-5 microns |
| Can be used for final product |
| WRP 912 - Concentrate |
| Concentrate to be used between 10-20% |

Rust Removers

 Rust Converters and Removers

Rusted components can be retained back by the process of rust removers, then neutralization and finally applying rust preventive oils

| NEUTRASAFE |
| Neutral pH rust remover |
| Cleaning time 20-40 minutes |
| For Ferrous and Non Ferrous |
| RK 100 |
| Transparent acidic solution |
| Cleaning time 1-5 minutes |
| For Ferrous and Non Ferrous |
| RK 500 |
| Transparent solution |
| Slight acidic |
| Curing time - 3-7 minutes |
| For Ferrous parts only |

Rust Preventive Additive

 Water based Rust Preventive Additive

Rust Preventive Additive can be used in variety of applications for corrosion prevention where water is used as a media. It can be used in leak testing operations, coolant tanks, water washing etc.

| RPA 4500 |
| Max conc 10%, pH+ = 9 |
| Multi application RP additive |

Washing Medias

 Component washing fluids

Washing Medias are used to clean parts after operation and obtain low millipore values

| Solvent based cleaner |
| CL003 = No Protection, CL005 = upto 1 week protection |
| Manual, Ultrasonic & Pressure washing |
| Water Based Cleaner |
| Aquaflosh AQ03 |
| Premium product, low millipore, 1-3% |
| Used in high pressure machines |
| Aquaflosh Vibro |
| Excellent cleaning & Rust Protection |
| Used in Vibro machines |

Vanishing Oil

 Ideal for usage

Ideal for use

| Casting | Forging | Sheet Metal | Sintered metal | Machined parts | Machinery |

Features:

- Mineral and Water based
- Odorless
- Rust prevention upto 15 yrs
- Outdoor storage available

Ideal for usage

- Casting
- Forging
- Sheet Metal
- Sintered metal
- Machined parts
- Machinery

All Viscosities are calculated at 40 degrees Celsius
Industrial Lubricants & Greases
more than 100 products to choose from

Greases
A large range of greases help our customer chose the right grease suited for the right application

<table>
<thead>
<tr>
<th>Product Type</th>
<th>MP3</th>
<th>NLGI 3</th>
<th>Light yellow colour, drop point 180°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extreme Pressure Grease</td>
<td>EP2</td>
<td>NLGI 2</td>
<td>Brown colour, EP additive</td>
</tr>
<tr>
<td>Railway Road Grease</td>
<td>RR3</td>
<td>NLGI 3</td>
<td>Green colour, water resistant</td>
</tr>
<tr>
<td>Extreme Pressure Grease</td>
<td>EP00</td>
<td>NLGI 000/000</td>
<td>Automated lubrication systems</td>
</tr>
<tr>
<td>Molybdenum Grease</td>
<td>Molytex</td>
<td>NLGI 2</td>
<td>-30 to 140°C</td>
</tr>
<tr>
<td>Silicone Grease</td>
<td>Silicone Grease</td>
<td>NLGI 05/06</td>
<td>Long life silicone grease</td>
</tr>
<tr>
<td>High Temperature</td>
<td>High Temperature 270</td>
<td>—</td>
<td>High Temperature 270+ Drop Point</td>
</tr>
</tbody>
</table>

Other Industrial Lubes
Carefully selected base stocks for use in central lubrication systems of Paper machines

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Base Stock</th>
<th>Temperature</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbine Oil</td>
<td>Turbo-X</td>
<td>32, 46, 68</td>
<td>Turbocompressors, turbines and gearboxes with F/Z &gt; 10</td>
</tr>
<tr>
<td>Refrigeration Compressor</td>
<td>Compre-X Friz</td>
<td>12, 22, 36, 48, 100</td>
<td>For use in Refrigeration compressors</td>
</tr>
<tr>
<td>Circulating Oils</td>
<td>Circul-X</td>
<td>90, 140, 220, 320, 460</td>
<td>General circulating application</td>
</tr>
<tr>
<td>Slideway Oil</td>
<td>Slide-X EP</td>
<td>32, 68, 320</td>
<td>Horizontal and vertical slideways</td>
</tr>
<tr>
<td>General Purpose Lubrication Oil</td>
<td>Genre-X</td>
<td>140, 220, 320</td>
<td>For most basic lubrication needs</td>
</tr>
<tr>
<td>Thermo Oil</td>
<td>Ther-X</td>
<td>32, 46, 68</td>
<td>Boilers, Heat Exchangers etc.</td>
</tr>
</tbody>
</table>

Lubrication Oils
High-performance multipurpose oils for most demanding forming operations.

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Base Stock</th>
<th>Temperature</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gear Oils</td>
<td>Gear-X</td>
<td>90, 140, 220, 320, 460</td>
<td>EP Gear box oils</td>
</tr>
<tr>
<td>Gear Oils Synthetic</td>
<td>Gear-X Synthetic</td>
<td>90, 220, 460</td>
<td>Synthetic gear oils with high VI</td>
</tr>
<tr>
<td>Compressor Oils</td>
<td>Compre-X</td>
<td>90, 140, 220</td>
<td>For use in compressors</td>
</tr>
<tr>
<td>Circulating Oils</td>
<td>Circul-X</td>
<td>90, 140, 220, 320, 460</td>
<td>General circulating application</td>
</tr>
<tr>
<td>Slideway Oil</td>
<td>Slide-X EP</td>
<td>32, 68, 320</td>
<td>Horizontal and vertical slideways</td>
</tr>
<tr>
<td>General Purpose Lubrication Oil</td>
<td>Genre-X</td>
<td>140, 220</td>
<td>For most basic lubrication needs</td>
</tr>
</tbody>
</table>

Hydraulic Oils
A large range of hydraulic oils with a variety of options to choose from. Designed in R&D with our customers for custom applications

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Base Stock</th>
<th>Temperature</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antwear</td>
<td>HYDR-X AW</td>
<td>12, 22, 32, 46, 68, 100</td>
<td>Anti wear, age resistant</td>
</tr>
<tr>
<td>HLP</td>
<td>HYDR-X HLP</td>
<td>12, 22, 32, 46, 68, 100</td>
<td>Following standard DIN 51 524-2</td>
</tr>
<tr>
<td>High Viscosity Index</td>
<td>HYDR-X VI</td>
<td>12, 22, 32, 46, 68, 100</td>
<td>Heat and Oxidation resistant VG &gt; 150</td>
</tr>
<tr>
<td>Zinc Free</td>
<td>HYDR-X ZNF</td>
<td>12, 22, 32, 46, 68, 100</td>
<td>Following standard DIN 51 524-3</td>
</tr>
<tr>
<td>Synthetic</td>
<td>HYDR-X SYN</td>
<td>32, 46, 68</td>
<td>Polyglycol base fully synthetic</td>
</tr>
<tr>
<td>Fire Resistant (Water based)</td>
<td>HYDR-X FR</td>
<td>32, 46, 68</td>
<td>Fire resistant hydraulic</td>
</tr>
</tbody>
</table>

All Viscosities are calculated at 40 degrees Celsius

Features:
Performance as per ASTM
All virgin products mfg
High Viscosity Index grades
Superior Anti Oxidation
Best Rust Prevention

Ideal for usage
Casting | Forging | Sheet Metal | Sintered metal | Machined parts | Machinery
**Water & Oil Based Cutting Fluids**

**More than 100 products to chose from**

---

**WATER BASED CUTTING FLUIDS**

**Mineral Oil Coolants**

WS Series - Mineral Oil Based Water Soluble

Rust X niche and most desired range of products WS series give magical results to your metals or non-metals. High tank life and extremely friendly for operators. Works up to 700ppm of hard water for emulsion stability but most suitable against OM W.

<table>
<thead>
<tr>
<th>Tank life upto 6 -12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS 50</td>
</tr>
<tr>
<td>Ratio 1:20 to 1:40</td>
</tr>
</tbody>
</table>

**Semi Synthetic Fluids**

SHARP Series - Semi Synthetic Cutting Fluids

Semi synthetic fluids with heat reducing formula and high rust prevention and tank life.

<table>
<thead>
<tr>
<th>SHARP 3,000</th>
<th>White emulsion</th>
<th>Hi Speed machining and grinding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool life upto 2 years</td>
<td>Hard metal machining</td>
<td></td>
</tr>
<tr>
<td>Tool life increment upto 50%</td>
<td>Suitable for VMC’s, HMC’s, CNC’s</td>
<td></td>
</tr>
<tr>
<td>Consumption reduction upto 50%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Synthetic Fluids**

SYN Series - Synthetic cutting fluids

Synthetic cutting fluids are most ideally suited for grinding and machining operations where high heat and friction is generated. SYN series provide good lubrication but more than provide best cooling properties, rust prevention and tank life.

<table>
<thead>
<tr>
<th>SHARP 11,000</th>
<th>Transparent - Green or Blue emulsion</th>
<th>High and low speed grinding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank life upto 2 years</td>
<td>High and low speed grinding</td>
<td></td>
</tr>
</tbody>
</table>

---

**OIL BASED CUTTING FLUIDS**

**Metal Working Fluids**

GRINDX SERIES - Oil based cutting fluids

High-performance neat oils for grinding and honing of steel and non-ferrous metals.

<table>
<thead>
<tr>
<th>Grinding</th>
<th>GRIND-X 5, 12</th>
<th>$V_{40} = 5, 12$ mm/ls</th>
<th>Hard metal grinding</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRIND-X 22</td>
<td>$V_{40} = 22$ mm/ls</td>
<td>Tool grinding</td>
<td></td>
</tr>
<tr>
<td>GRIND-X 32</td>
<td>$V_{40} = 32$ mm/ls</td>
<td>Tool grinding</td>
<td></td>
</tr>
</tbody>
</table>

**Honing**

HON-X 22

$V_{40} = 22$ mm/ls

Cylinder honing

---

**Metallurgical Fluids**

NEATCUT Series - Oil based cutting fluids

High-performance cutting oils for turning and drilling operations. Suitable for ferrous and non-ferrous metals. Neatcut series products are loaded with high contents of extreme pressure additive for heat reduction and efficiency increment.

<table>
<thead>
<tr>
<th>Turning, drilling</th>
<th>NEATCUT 5</th>
<th>$V_{40} = 10$ mm/ls</th>
<th>Steel, non-ferrous metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning, drilling, grinding</td>
<td>NEATCUT 12</td>
<td>$V_{40} = 12$ mm/ls</td>
<td>Steel, precious steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vertical broaching</th>
<th>BROACH-X 16/22</th>
<th>$V_{40} = 22$ mm/ls</th>
<th>Internal-external profiles</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROACH-X BT18/BT22</td>
<td>$V_{40} = 18$ mm/ls</td>
<td>Internal-external profiles</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Helical broaching (HOBBING)</th>
<th>HOB-X 12</th>
<th>$V_{40} = 12$ mm/ls</th>
<th>Sprocket hobbing</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOB-X 22</td>
<td>$V_{40} = 22$ mm/ls</td>
<td>Gear hobbing</td>
<td></td>
</tr>
<tr>
<td>HOB-X 32</td>
<td>$V_{40} = 32$ mm/ls</td>
<td>Gear hobbing</td>
<td></td>
</tr>
</tbody>
</table>

---

**Forming Oils**

Form-EZ Oils - Extreme Pressure Forming Lubricants

High Performance extreme pressure additive fortified forming oils for most demanding applications

| FORM-EZ 12, 32, 46, 68, 100 | $V_{40} = 12$ mm/ls |

---

**Drawing Oils - Neat Oil**

EVAPORATIVE Oils for a dry & clean component

Neat drawing lubricants for bright bars, tubes and wire drawing operations on any severity

| Draw EZ 32, 54, 100, 220, 320, 680, 100 | High Performance extreme pressure additive fortified chlorinated drawing oils for demanding applications |

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**Excellent Lubrication**

**Corrosion Protection**

**Biocides**

**Defoamer**

**Tool Life Extension**

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Zorb-IT desiccants are specially formulated dehumidifiers to control the relative humidity in the enclosed packaging system where damp environments can cause problems. The issues caused by excessive moisture can be corrosion in metallic and automotive components during storage and exports, corrosion issues in machinery and process equipment during exports, fungal developments in textiles and garments, circuitry issues in electronic goods, mold development in leather goods, dampness in pharmaceutical products and tarnishing of brass, copper and silver.

Due to the changes in temperature and volume of air, the moisture is sucked into the container by the process of container breathing. This moisture then condenses or gets absorbed resulting in a detrimental effect on the articles packed. Zorb-it helps in adsorption and retention of this moisture within the Zorb-IT Desiccant pouch.

Zorb-IT Container-Suck is based on Special Chemistry which comprises of Type A chemicals that absorb humidity from within the container and then entrap them within Type B molecules of Super Absorbant Chemicals which have the capability to absorb upto 100 times their own weight.

Zorb-IT Pole contains a set of 4 pouches onto a string weighing 1 kg. The string has a hanger on top to allow it to be hanged inside the container or on machines as well as equipment.

It is effective in protecting the equipment from large humidity influx.

The Zorb-IT Pole also contains VCI chemicals to take care of corrosive action of the humidity if it settles onto metal equipment.

Features:
- High absorption capacity works in wide temp range
- No reverse release of H2O
- Safe for human
- Safe for environment

Ideal for usage
- Casting | Forging | Sheet Metal | Sintered metal | Machined parts | Machinery

The Zorb-IT Desiccant

Zorb-IT Pole

In larger volumetric products the pouches need to be hanged within the containers or machines or process equipment to reduce the humidity levels.

Zorb-IT Pole contains a set of 4 pouches onto a string weighing 1 kg. The string has a hanger on top to allow it to be hanged inside the container or on machines as well as equipment.

It is effective in protecting the equipment from large humidity influx.

The Zorb-IT Pole also contains VCI chemicals to take care of corrosive action of the humidity if it settles onto metal equipment.
The name Tuffpaulin suggests highly TUFF-TARPULIN. Tuffpaulin is made using German Machinery having reinforcing multilayered structure in order to provide strength in multiple directions. The ribbed reinforcements reduce the tearing in case of an induced puncture.

The criss cross layers in the film make bonding perfect and practically non-tearable. This is a better alternate to HDPE fabrics, Polyethylene sheets and other coverings normally used in similar applications.

Tuffpaulin is designed with Ultraviolet protection for usage as covers due to its flexibility, water proof properties, toughness, high puncture resistance, excellent tensile properties and superb tear resistance. The product is available in various thicknesses and colours.

**GSM Available:** 90, 120, 150, 180, 200, 250, 300

**Width:** 1 feet to 12 feet

**Colours Available:** Natural, White, Blue, Green, Yellow, Red
Email:  info@rustxusa.com   Web:  www.rustxusa.com

Address: 14310 Gannet Street, La Mirada, CA 90638
Tel: +1 714 690-0380

Manufacturing Units :
USA, Italy, France, Australia, India

Warehouses :
Nordic, Russia, Singapore, UAE

VCI®
IS A REGISTERED TRADEMARK
OF HI-TECH INTERNATIONAL
RUST-X IS A HI-TECH GROUP BRAND