

RUSTX
REST WITHOUT RUST

Dry Packaging for Automotive
Components



About us

- RUST-X is NO.1 VCI COMPANY IN INDIA
- VCI IS REGISTERED TRADEMARK AND PATENT OF RUST-X HI TECH INTERNATIONAL
- MANUFACTURING LOCATION :
 - KHOPOLI, MAHARASHTRA
 - Manesar, Gurgaon
 - Ludhiana, Punjab
- TA WITH C.KNOOP, AUSTRALIA
- SUPPLIERS TO OVER 3000+ COMPANIES IN INDIA
- NETWORK IN ALL STATES OF INDIA
 - CUSTOMERS INCLUDE: HONDA, YAMAHA, VOLVO, TVS, BOSCH, MARUTI, MAHINDRA, BAJAJ, KIRLOSKAR, DELPHI, DUCATI

+

Our Brands

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VCI Anti Corrosion products
& Industrial Lubricants



Moisture Control Desiccants



PARKER

Automotive Lubricants



AQUAFLUSH

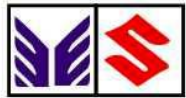
Industrial Cleaning Agents

Customers



HI-TECH
INTERNATIONAL

OEM



AUTO COMPONENT MANUFACTURERS



AND OVER 2000+ CUSTOMERS WORLDWIDE

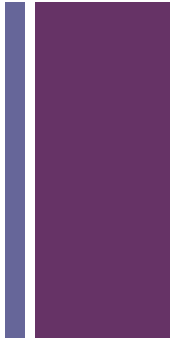
+ Requirements



- Corrosion Prevention
- Dry Non Stick Film
- Cleaning metal particles and degreasing
- Water Displacement of Cutting Fluids
- Low Viscosity lower consumption
- High FlashPoint
- Low Evaporative Loss
- Non contaminating to the cutting fluids
- Transparent



Step 1: Cleaning with CL 005

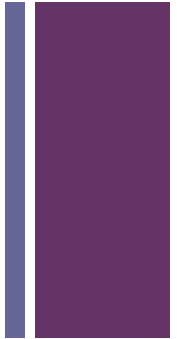


- CL005 is a solvent based cleaning media and can be used for
 - a) Cleaning to achieve desired Millipore Values
 - b) Dewatering to remove cutting oils and water
 - c) Degreasing to remove carbon, graphite, dirt and metal particles
 - d) Short-Term corrosion prevention for 48 hours



Step 2: Rust Preventive

VCI 135 – A/C/E Ex Dry Type RP Oil



- VCI 135 Export Series Rust Preventives for Long term corrosion prevention due to VCI Properties.
- Parts should be dipped and completely submerged in the RP oil
- The parts should not have developed any corrosion during manufacturing.
 - 135 A = 1 Micron
 - 135 C = 3 Micron
 - 135 E = 5 Micron

+ Manual Cleaning & RP

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Cleaning using CL005



Rust Preventive Oiling with 135 A - Ex

+ Auto Cleaning & RP

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+ RUST-X 40 RP Oil Spray



RUST-X 40
1 Micron dry to touch
spray
Dry Protection in VCI for
upto 1-2 years.



Packaging Step 3: VCI Jumbo Bag

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+ Packaging – Step 4 PP Separators

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PP separator for Light Parts



PP separator for Heavy Parts with
wooden reinforcement

*In case of Corrugated Paper Separators use VCI Cover bags on each separator
So that it doesnot release humidity within the packaging onto the components*



Packaging – Step 5

Individual Component Packaging

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- Individually wrap each part after oiling in VCI Plastic Bag.
- Remove Excess air within the bag
- Heat seal the VCI bag



+ Packaging step 5: Individual Components packging



+ STEP 6: VCI Emitters & Dehumidifiers

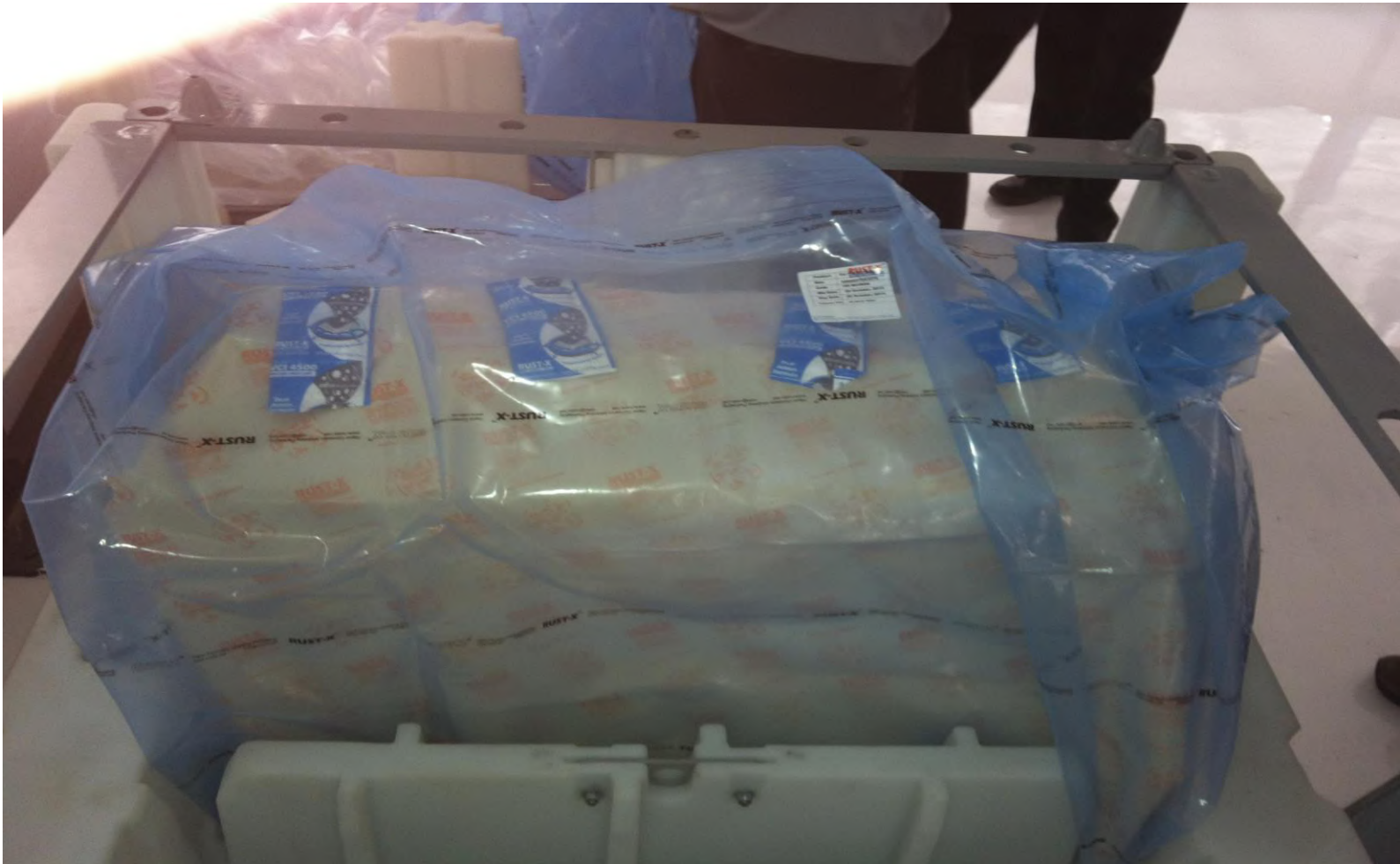
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- VCI 4200 & VCI 19000 pouches are a combination of desiccants and VCI emitters . The dual action helps to reduce humidity and VCI pouch helps VCI to reach places where packaging is not in contact





Step 6: VCI Emitters & Packaging



+

Step 6: VCI Emitter & DHF Pouches





Step 6: Heat Sealing 3 D Bags for air-tightness



+ Packaging – Step 6

Heat Sealing of 3D bag

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- Heat Seal the Pallet in order to achieve an airtight packaging worthy of transportation anywhere around the world without allowing any influx of humidity.



+ Step 7

Placing Raincoat Cover on Pallet





Engine Packaging

METAL BARRIER BAG

+ Metal barrier Packaging for Engine



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Metal Barrier Bag with Vacuum



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NEUTRAL pH RUST REMOVER





Neutrsafe – Rust Remover Neutral + SAFE

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- Neutral pH Rust Remover
- Doesnot cause dimensional change
- Does not Re rust
- Does not Require Neutralisation
- Mild to hands and for use
- Selectively attacks only rust



+ RR 500

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2 mm thick steel RR Treatment - before

+ RR 500

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2 mm thick steel RR treatment - after

+ Neutrsafe – Rust Remover



Observe the rust being removed and extracted into the liquid by the changing colour of the liquid from transparent to yellowish brown

+ Neutrsafe – Rust Remover



before



after

+ Machined Component



+ Machined Component



+ Packaging Design



- DRY TO TOUCH PACKAGING
- Ideal for Castings & Forgings (machined or raw) which have to go directly on assembly line.
- Suitable for CR parts which have to be ED coated or painted.
- Easily accessible online packaging for OEM's
- Designed for 2 years packaged life under ideal conditions
- All packaging is easily recyclable



Thank
YOU

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