

ICT[®] Pipe Strips

Technical Data Sheet

ZERUST[®]/EXCOR[®] ICT[®] Pipe Strips are residue-free, long-term corrosion protection systems for the interior surfaces of ferrous and non-ferrous pipes and tubes during shipment, storage, or work-in-progress. ICT[®] Pipe Strips are ZERUST[®] Vapor Capsules assembled on long plastic strips that can be made to any length. They are ready-to-use, and installation is easy—simply place the strip inside the pipe along its length and cap the ends.

Pipe Strips diffuse invisible, odorless, and non-toxic ZERUST[®] Vapor Corrosion Inhibitor (VCI) technology. The VCI molecules settle onto exposed metal surfaces inside the tube or pipe. Removal is quick, uncap the pipe or tube and remove the Pipe Strip. Upon removal from the pipe or tube, the VCI will dissipate from the metal surfaces, allowing the pipe/tube to be immediately put to use or further processing. Pipe Strips protect ferrous and non-ferrous metal tubes, pipes, and more up to 24 inches⁺ in diameter from corrosion for up to 1 year⁺ during storage and shipping. Additionally, Pipe Strips may be used with ZERUST[®] rust preventative liquids and VCI packaging for additional long-term storage protection.

For over 50 years, ZERUST[®] VCI technology has proven its performance and safety with thousands of customers worldwide. It is used to protect valuable metal items for manufacturers in industries such as automotive, agricultural, aerospace, and mining. ZERUST[®]/EXCOR[®] offers on-site support and service in more than 70 countries via a network of 21 joint venture partnerships. Check with your ZERUST[®]/EXCOR[®] representative for a comprehensive corrosion management solution that is most effective for your metal assets.

Typical Properties

Appearance	PE-plastic capsule and foam containing active pellets assembled on long plastic strips.
Substrates	Multimetal protection.
Vapor Inhibiting Ability (VIA)	Pass (NACE TM0208)

This data sheet provides general guidelines for operation, application, and removal. Please contact your ZERUST[®]/EXCOR[®] account representative for more specific recommendations on your particular operation and conditions.

Operating Summary

- Remove the product from the packaging.
- Take note of the installation date. Pipe Strips are rated to provide up to 1 year⁺ of protection (See Protection Info on page 2 for specific protection capabilities).
- Elevate one end of the pipes to create a pitch. The general rule is 1/4" of pitch per linear foot of run. E.g., for a 40' pipe length, the total elevation would be 10 inches:
 - This will facilitate the draining of physically coalesced water in the pipe to one end of the pipe.
 - A small flapper valve in the end cap will allow the water to drain out.
- Ensure pipe internal surfaces are dry and free of oily or greasy soils, as well as any debris or particulate matter. In the event that the pipes have been exposed to any airborne sea mists or chloride-contaminated fluids, it is recommended to flush or spray wash the piping internals with a 1% solution of ZERUST[®] AxxaVis™ HST-10 followed by drying of the pipes.
- Push a fish tape through the pipe.
- Attach one end of the ICT[®] PS2-10 or PS2-16 Pipe Strip securely to the end of the fish tape using adhesive tape.
- Carefully pull the Pipe Strip back through the entire length of the pipe until the tip of the fish tape attached to the Pipe Strip exits the end of the pipe.
- Detach the end of the Pipe Strip from the end of the fish tape.
- It is preferable to suspend the Pipe Strip in the center of the pipe.
 - This can be done by stapling, taping, or gluing the ends of the Pipe Strip to the center of each end cap.
 - If attachment to the end caps is not possible, pull a small excess of the strip out of the pipe, fold over the top edge of the pipe, and then push the end cap onto or into the pipe end. Do the same for the opposite end of the pipe.
- Using UV-resistant adhesive tape, wrap the tape around the outer edges of the end caps and onto the pipe for 1 – 2 inches from the edges of the end caps.
 - This will help in reducing the effusion of VCI out of the pipe and drawing oxygen and moisture into the pipe due to the pipes breathing through gaps in the end caps created during differential expansion and contraction rates of the plastic end caps and the steel pipes associated with diurnal and nocturnal thermal excursions.

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product information
and photos

Availability

ZERUST®/EXCOR® Pipe Strips are in stock for immediate delivery and sold by the strip. Additional lengths are available upon request, and minimum order quantities apply. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Model	Quantity
525-M-00001	PS2-10	40' Strip
525-M-00002	PS2-16	40' Strip

Protection Info[‡]

Model	Product Dimension (Length)	Protection Volume (Up to) [‡]	Protection Duration (Up to) [‡]
PS2-10 (10 Capsules)	40'	Protects pipes 2 – 12" in diameter [‡]	1 year [‡]
PS2-16 (16 Capsules)	40'	Protects pipes 12 – 24" in diameter [‡]	1 year [‡]

Storage

- Store in a cool, dry place and away from sunlight in the original packaging.
- Optimal storage temperature is < 85°F (29°C) and 50% RH for up to 2 years from the date of shipment.

Disposal

- The contents of Pipe Strips do not meet the criteria for hazardous waste according to 40 CFR 261 (no components listed on F, K, P, or U lists; not ignitable, not corrosive, not reactive, and not toxic).
- Pipe Strips may be disposed of in the general solid waste trash.
- Since regulations vary by location, ZERUST® advises our customers to review local regulations to ensure proper disposal.

Precautions

- Do not install the Pipe Strip where it will be submerged in water.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).
- Do not disassemble. Keep away from children. Safe for people. This product does not pose a health hazard to users due to its classification as an article according to UN GHS, US OSHA HazCom, and CA WHMIS regulations. Check REACH SDS for classification in EU.
- Refer to the Safety Data Sheet (SDS) for more safety information.

‡ DECLARATION

Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminate-free substrates. Real-world application corrosion protection duration on different substrates will vary and depends on factors such as, but not limited to, the application or use, environmental / storage conditions, surface cleanliness, type of substrates, and coating thickness (where applicable). The use of the term "Up to" in reference to time is defined as any time duration from zero up to a specified time frame, but in no event beyond the specified time frame. The use of the term "for years" is based on NTIC's experience with its products but is in no way guaranteed. The use of the term "Up to" in reference to volume is defined as any volume from zero up to a specified volume but in no event beyond the specified volume of protection. It is the customer's / user's obligation to evaluate product performance, corrosion protection duration, safety, and suitability for intended use within the scope advised in the data sheet and to comply with all applicable laws and regulations. **LIMITED WARRANTY/DISCLAIMER** Warranty is limited to the replacement of a product that fails to meet specifications. For full warranty and disclaimer information, visit www.zerust.com/warranty.

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