

ZERUST® ICT®450 Corrugate

ZERUST®/EXCOR® ICT®450 Corrugate is made with built-in corrosion protection. It protects metal parts from corrosion via the ZERUST® coating, which contains both contact and Volatile Corrosion Inhibitors (VCI).

Use ZERUST® ICT®450 Corrugate on your next packaging project and get ZERUST® Integrated Corrosion Technologies (ICT®): VCI, contact inhibitors, and corrugate packaging all in one product. ZERUST® ICT®450 Corrugate has invisible and odorless multimetal Volatile Corrosion Inhibitors (VCI) built-in to keep metal surfaces rust and corrosion free for up to 6 months. ZERUST® ICT®450 Corrugate is acid-free, eco-friendly, and can be configured for many applications.

Since proven ZERUST® protection is built into the corrugate, there is no need for additional wrapping or coatings. There is no removal needed either, simply pack clean metal parts into ZERUST® corrugate products and tightly seal. The corrosion-inhibiting VCI molecules in the ZERUST® Corrugate do not interfere with the properties or functionality of the items being protected and disappear from the metal parts surface after removing them from the ICT®450 Corrugate. Use other ZERUST® products, such as cushioning film, in addition to ZERUST® Corrugate to maximize corrosion protection.

Application Example

ZERUST®/EXCOR® ICT®450 Corrugate can be used to pack tools, automotive parts, electronic parts, components, and more during shipments, storage, and work in progress.



Benefits

Effective corrosion protection and packaging combined in one step

Metals are ready for use and assembly directly out of the packaging

Provides safe* and effective ZERUST® VCI protection

Fully recyclable and made from responsibly managed forestry products

Application Type

Storage

Shipping

Work in progress

May be used with ZERUST® corrosion inhibitor liquids, VCI Packaging, and VCI diffusers

*Safe for people. This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom, and CA WHMIS regulations.



ZERUST®/EXCOR® ICT®420 Kraft Paper is used with ICT®450 Corrugate for maximum corrosion protection.

Product Information

Description	ZERUST® ICT®450 Corrugate is a paperboard packaging product saturated with volatile corrosion inhibitor chemistry.
Appearance	Natural brown with printing. Custom printing is available upon request. Minimums apply.
Protection Duration	Up to 6 months
Storage	Store in a cool, dry place in original packaging at 85°F (30°C) or less and away from sunlight for up to 1 year from the date of shipment.

Protected Metal Types Multimetal corrosion protection. Test before use on copper and brass.

Usage Guide:

- Only remove the needed quantity of corrugate from its original packaging when needed. Reseal the other excess corrugate in its original packaging or cover it with plastic a shroud to maintain ZERUST® ICT®540 “freshness.”
- Make sure that corrugate is clean and free of dirt.
- Fold corrugate into the box along pre-scored lines. Make sure NOT to tear or puncture corrugate. Use folded corrugate as soon as possible.
- Tape the corrugated box with packaging tape (waterproof tape recommended).
- Place and secure, clean metal parts inside the corrugate. Do not add or use other packaging material (such as plastic bags or kraft paper) to secure the parts unless they are ZERUST® products. Use of non-ZERUST® products inside the ICT®540 Corrugate may negate the effect of the corrosion inhibitors.
- Check that parts are secured to avoid damage to the corrugate when shipping.
- Tape shut the corrugated box. (It's recommended that all gaps be sealed with tape to ensure optimum corrosion protection performance.)
- If the corrugate box is opened for inspection of parts, reseal immediately after inspection.

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.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by Northern Technologies International Corporation/ZERUST® or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Northern Technologies International Corporation/ZERUST® or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the products sold. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall Northern Technologies International Corporation/ZERUST® be liable for incidental or consequential damages. For full warranty and disclaimer information visit, www.zerust.com/warranty.

©2013-2023 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks: ActivPak®, Cor Tab®, EXCOR®, Flange Saver®, ICT®, Natur-VCI®, NTI®, Plastabs®, Z-CIS®, Zerion®, ZERUST®, 洁乐特, Z-PAK® and the Color “Yellow”. ABRIGO®, UNICO®, and VALENO® are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.

Availability

ZERUST®/EXCOR® ICT®450 Corrugate is available in custom sizes (minimum order quantity). Please contact a ZERUST® customer service representative for information.

Recyclable

Dispose of in accordance with local, national, and international regulations. Check on options for recycling and incineration.

Safety

- Safe for people. This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom, and CA WHMIS regulations.
- ZERUST® VCI chemistry is safe for sensitive electronics. No galvanic effects, residues, or changes in the properties of metals. The protective molecules dissipate upon opening the package.