



ICT® Profile Board

Technical Data Sheet



ZERUST®/EXCOR® ICT® Profile Board is a weather-resistant, durable, and reusable profile plastic packaging product used in place of traditional corrugated sheeting or plywood to provide strength and corrosion-inhibiting capability for metals in shipping, storage, and work-in-progress. ICT® Profile Board diffuses invisible, odorless, and non-toxic ZERUST® Vapor Corrosion Inhibitors (VCI) that settle onto exposed metal surfaces inside the packaging or enclosure. Upon removal from the packaging, the VCI will dissipate from the metal surface, allowing immediate painting, welding, or further processing.

Use ZERUST® Profile Board for product separation applications such as row and parts dividers, as well as liners for containers and reusable packaging applications to protect metal components, machined and cast parts, and more from rust and corrosion for years*. For additional protection in challenging environments, ZERUST® Profile Board may be used with ZERUST® rust inhibitors, preventatives, coatings, or VCI diffuser products. Engineered for a broad range of applications, the Profile Board is available in multimetal protection formulation, with custom additives to meet specific protection requirements. Whether in storage or transit, ZERUST® Profile Board delivers unparalleled performance.

ZERUST® is the inventor of poly VCI technology, and ZERUST® VCI film has proven its performance and safety with thousands of customers worldwide for over 50 years. 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 Yellow high-density polyethylene polypropylene copolymer plastic profile board.
Substrates Multimetal protection formulation. Test before use on copper and brass.

	(Double face) Corrugated*	(Single face) Corrugated*
Material	High Density Polyethylene	High Density Polyethylene
With Corrugation	Up to 60"	Unlimited
Across Corrugation	Unlimited	Up to 60"
Thickness	0.154" - 0.208"	0.146" - 0.192"
Flute Size	Type "C"	Type "C"
Weight	130 - 550 lb/MSF	90 - 300 lb/MSF
ICT® Profile Board*		
Material	High Density Polyethylene Polypropylene copolymer	
Across Flute	Up to 78" (trimmed)	
Length	Up to 16' subject to density and thickness constraints	
Thickness	2 mm - 5 mm	

* Typical values, not meant to be a specification.

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

- Pack only clean and dry parts.
- Always wear clean and dry gloves when handling the metal parts to protect them from corrosion-causing fingerprints.
- When packing, the temperature of the metal parts should be about the same as the room temperature to avoid condensed moisture.
- Tightly close packages with tape, heat seal, zip ties, or fold over.
- Insert additional ZERUST® materials (such as ICT®420-35 VCI Kraft Paper) as interleave for added protection in larger and tightly packed or layered packages.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).



product information and photos

Availability

ZERUST®/EXCOR® ICT® Profile Board is a made-to-order product available in custom sizes, subject to minimum order quantities. Contact your ZERUST®/EXCOR® representative for ordering information.

Protection Info‡

Indoor‡ Protects clean metals for years‡ when used correctly.
Outdoor‡ Not recommended

Storage

- Store in a cool, dry place and away from sunlight in the original packaging for up to 2 years from the date of shipment.

Disposal

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

Precautions

- Do not use for outdoor protection.
- 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, CLP, and CA WHMIS regulations.
- Refer to the Safety Data Sheet (SDS) for 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.

©2013-2024 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.

A product of:
Northern Technologies
International Corp
4201 Woodland Road
Circle Pines, MN 55014
USA

Phone. +1 763.225.6600
Fax. +1 763.225.6645
sales@zerust.com
www.zerust.com

Rev A

