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**Attention: Editor**  
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**PRODUCT RELEASE**



## **Cortec® Coated Products Introduces EcoWeave - New High Tech Extrusion Coating Line!**

Cortec® demonstrates ingenuity and innovation with the introduction of EcoWeave®, a highly durable tarp-like film that protects expensive, heavy raw metal materials and finished products against corrosion. After investing significant R&D time and effort into the project, Cortec® expanded its capabilities to encompass onsite melt coating of EcoWeave® at Cortec® Coated Products (CCP) in Eau Claire, Wisconsin.



High tech Nordson melters and slot die eliminate the need for dryers, resulting in big energy savings. A 100 percent solids coating process eliminates solvent emissions. The new process also lets Cortec® provide more options to customers.



“By making it in-house we have more flexibility,” explained Robert Kean, Ph.D., Director of Cortec® Laboratories, who played an active role in R&D experimentation. In the past, Cortec® has relied on outsourcing to make a few stock sizes of EcoWeave®. This system works until users require custom details that are difficult to deliver with standard stock. With its new EcoWeave® coating

capabilities, Cortec® will be better able to serve the specialized needs of users by providing custom sizes or filling smaller orders with a shorter lead time. As with other products and processes that follow Cortec’s ideology of vertical integration, making EcoWeave® in-house will also give Cortec® greater oversight of the quality of the product that rolls off the machine. This would not have been possible without the visionary involvement and persistence of Cortec® founder and CEO, Boris Miksic, the driving force to make this a successful product in-house.

Made from the same type of woven polyolefin film used to wrap lumber, EcoWeave® is extremely durable, yet lightweight and versatile. EcoWeave® offers a combination of tear resistance, durability, and VpCI® chemistry that work together to provide protection against harsh outdoor elements, physical damage, and corrosion.

Many possible uses for EcoWeave® include the following:

- Export packaging of expensive and larger equipment
- Steel sheeting and flat stock
- Steel coils
- Pallet shrouds
- Heavy equipment covers
- Heavy metal parts
- Equipment and product pouches



After compounding VpCI® masterbatch at its film extrusion plant in Cambridge, Minnesota, Cortec® ships the masterbatch to CCP, where it is melt coated onto polyolefin film. This gives EcoWeave® the proven vapor phase corrosion protection of Cortec® VpCI® film technology. Metal parts packaged in EcoWeave® receive continuous protection against salt environments, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion as the corrosion inhibitors vaporize and then condense on all metal surfaces inside the enclosed package. When unwrapped, the corrosion inhibitors evaporate, leaving the substrate corrosion-free and ready to use.



**EcoWeave® VpCI® Woven Polypropylene**

Woven polypropylene is a durable, but lightweight material for all your demanding projects. It utilizes a high density polypropylene woven fabric base material and is then coated with a layer containing volatile corrosion inhibitors to provide the proven corrosion protection of Cortec® VpCI® film technology.

**CORROSION PROTECTION**

Metal parts packaged in EcoWeave® receive continuous protection against excessive humidity, condensation, moisture, and aggressive industrial atmospheres. The VpCI® vaporizes and then condenses on all metal surfaces in an enclosed package. EcoWeave® offers complete product protection during storage, as well as domestic and overseas shipments, virtually eliminating any rust claims. EcoWeave® can be custom manufactured in heavier weights to suit all shipping or storage requirements.

**DESCRIPTION**

EcoWeave® is a woven polypropylene sheathing that offers extra strength, durability, corrosion protection, reusability, and recyclability. EcoWeave® is the new solution for tough corrosion packaging problems. From raw materials to finished product, EcoWeave® will provide the protection you need for expensive, but heavy, raw materials and finished products. It provides protection against corrosion, mother nature, traditional transit, and storage damage.

Use EcoWeave® for:

- Export packaging of expensive and larger equipment
- Steel shavings and fat stock
- Steel coils
- Roller shrouds
- Heavy equipment covers
- Heavy metal parts
- Equipment and product pouches
- It can be custom woven for an exact fit

**ADVANTAGES**

EcoWeave® offers strength, tear resistance, durability, and protection from corrosion. Many packaging applications require a heavier material should to accommodate the sharp edges of equipment or steel coil during shipment. The woven structure of EcoWeave® will help prevent damage to the shroud, thus preserving the integrity of the VpCI® protection and preventing corrosion from occurring.

**PHYSICAL PROPERTIES**

Property	Test Method	Units	Value (Range/Min)
Unit Weight		in/cu ft (kg/m³)	3.3 (3.0-3.6)
Elongation	ASTM D2034-09	%	15-29 / 15-45
Tensile Strength	ASTM D2034-09	lb/in (N/mm²)	80 / 1054.3 / 79.8 (204.2)
Tearing Strength	ASTM D4333-10	lb/in (N/mm)	25.5 / 113.6 / 26.4 (117.8)
Burst Strength	ASTM D2767-14	lb/in (N/mm)	79.4 (253.3)
Width		in (mm)	Up to 144 (366)

**METALS PROTECTED**

- Carbon Steel
- Stainless Steel
- Aluminum
- Cast Iron

**PACKAGING AND STORAGE**

Available in standard and custom sizes. Contact Cortec® Customer Service for inquiries and custom requirements.

To find out more about Cortec's EcoWeave, please visit:

<https://cortecvci.com/Products/single.php?code=10069>

To find out more about Cortec's innovative packaging products, please

visit: <http://www.cortecpackaging.com/>

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Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified. Cortec Website: <http://www.cortecvci.com> Phone: 1-800-426-7832 FAX: (651) 429-1122