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Attention: Editor

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PRESS RELEASE



EcoSol® Water Soluble Film Technology - Newest Generation of Packaging Solutions!

EcoSol® is a water soluble, biodegradable, polyvinyl alcohol (PVOH) film ideally suited for various packaging applications. Water soluble PVOH bags, sachets, or pouches created from this unique, technically advanced film provide a convenient, safe, and economical delivery system for a wide range of products; including detergents and cleaners, degreasers, concrete additives, pigments, biocides, water-treatment products, agricultural products and others.



EcoSol® film has excellent organic solvent resistance, which allows EcoSol® pouches and bags to be used not only for dry powders, but also for liquid products. This contemporary film offers very good mechanical properties: tensile strength, tear strength and puncture resistance. These properties allow EcoSol® to be used in a wide variety of rigorous applications.



After immersion EcoSol® dissolves in water leaving a harmless, non-toxic, aqueous solution of polyvinyl alcohol. Microorganisms will degrade the solution to carbon dioxide and water within about 30 days.

EcoSol® expands Cortec’s rich line of biodegradable materials: after a few minutes of immersion at the specified temperature, the environmentally safe film dissolves in water leaving a harmless, non-toxic, aqueous solution of polyvinyl alcohol.

Once the liquid solution of PVOH comes into contact with common microorganisms, such as those found in water-treatment plants, conversion to carbon dioxide and water takes place within about 30 days. EcoSol® bags are chemically resistant to: mineral, vegetable and animal oils as well as aliphatic hydrocarbons – and ethers, esters, ketones.



Voids were detected in “stay” cables on the Cochrane Bridge in Mobile, AL. They were measured and filled by “Vacuum Grouting” methods. Some cable strands were found to be exposed with no grout cover. Alabama Department of Transportation chose using Cortec’s MCI® Mini Grenades as a solution. MCI® Mini Grenades packed in EcoSol® film mixed well and provided extra corrosion protection properties to grout.

EcoSol® can be used for packaging of:

- Detergents and cleaners
- Concrete additives
- Water-treatment products
- Agricultural products
- Bathing products
- Laundry bags for hospitals
- Degreasers
- Pigments
- Biocides
- Soil remediation
- Cosmetic industry (disposable cases)

EcoSol® bags were a part of a “green” initiative conducted by Wright Patterson Air Force Base where all products and processes were being evaluated for environmental impact. They decided to change applications for cooling and heating systems to “green” and safer alternatives. They selected Cortec's products: Boiler Lizard® and Cooling Loop Gator® packed in EcoSol® bags and got a clean, reliable, efficient, and environmentally safe solution that provided excellent corrosion protection.



EcoSol® bags and pouches were selected among huge competition on the market to be a part of a “green” initiative project conducted by Wright Patterson Air Force Base.

Mechanical properties of EcoSol® packaging conform the normative of ASTM D 882-02 for Braking factor, Tensile Strength of break, Elongation and Yield Strength; It's Tear Strength is tested according ASTM D 1922-06a and Dart Drop Impact resistance - per ASTM D 1709-04.

EcoSol® produced by Cortec®’s Advanced Films Division has been included in the market study: "Water Soluble Film Market – “Global Trends and Forecasts to 2020” by think tank institution Research and Markets, Inc as the only USA manufacturer.

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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.

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