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Innovative products. Earth-friendly solutions.



### Eco-Logic Manufacturing

Eco-Logic Manufacturing defines our thoughts, processes and actions at SEAL brand. It is a philosophy and methodology based on sound business logic and environmental responsibility. Eco-Logic Manufacturing encompasses our research and development, engineering and manufacturing operations.

It embodies our commitment to build products that exceed the highest performance standards, while reducing the impact that these products and their manufacturing have on our environment. By applying the principles of Eco-Logic Manufacturing, we are doing our part to ensure clean air, clean water, and clean earth, now and for future generations.

### Aqueous Technologies Lead The Way

Our state-of-the-art, water-based emulsion adhesive coating technologies ensure extremely low levels of greenhouse gas emissions—Volatile Organic Compounds (VOC's) and CO<sub>2</sub>. We utilize a special mixture of water and pressure-sensitive

acrylic polymers to create coating emulsions that maintain VOC levels of less than 0.02 weight-percent of the coating mixture. As a result, total VOC air emissions from our Elkridge, Maryland facility are well below 1,000 pounds per year. And because SEAL water-based products are engineered to dry quickly during the manufacturing process, we've reduced our consumption of natural gas resulting in reduced CO<sub>2</sub> emissions.

### Better Performance From Cleaner Materials

Through Eco-Logic Manufacturing, SEAL brand offers a wide array of emulsion-based laminates that achieve performance standards equal to or greater than those of solvent-based technologies with their higher VOC and CO<sub>2</sub> emissions. In addition, the application of Eco-Logic Manufacturing principles to laminating and carrier film engineering has resulted in innovative products and components that are biodegradable, recyclable, or that can be burned in waste-management power generation facilities with minimal environmental impact.

### Comprehensive Earth-Friendly Solutions
























We recognize that solvent-based technologies are an integral part of our industry.

While we offer a range of solvent-based products to meet market demands and specific application requirements, we are sincerely committed to the development of high-performance products that are less harmful to the environment.












Through our research and development, and cooperative efforts with suppliers and industry partners, we are working on image finishing and display solutions that are 100% ecologically sound while providing the innovation, versatility and durability our customers require. Our focus on Eco-Logic Manufacturing is providing an industry-leading example for the evolution of environmentally responsible graphics solutions. At SEAL brand, we are continually working to gain your trust in these ecologically friendly solutions, so that together we are contributing to a cleaner, brighter future for everyone.

## SEAL® Ecologically Manufactured Products







### SEAL® Pressure-Sensitive Laminating Films

PRODUCT	RATING	FILM	RELEASE LINER	ACRYLIC ADHESIVES
Print Shield®				
Standard UV Gloss		Vinyl	 Siliconized glassine	  Water-based
Standard UV Luster		Vinyl	 Siliconized glassine	  Water-based
Standard UV Matte		Vinyl	 Siliconized glassine	  Water-based
Floor Guard®		Vinyl	 Clay coated (Kraft paper)	  Water-based
Deep Crystal		Polyester	PE coated Kraft paper	  Water-based
SEAL® Write		Polypropylene	 Siliconized glassine	  Water-based





### SEAL® Pressure-Sensitive Mounting Adhesives

PRODUCT	RATING	FILM	RELEASE LINER	ACRYLIC ADHESIVES
Print Mount®				
Metal-X™		Metalized white polypropylene	 Siliconized glassine	  Water-based
White		White polypropylene	 Siliconized Kraft paper	  Water-based
Removable		Vinyl	PE coated Kraft paper	  Water-based

### SEAL® Pressure-Sensitive Backing Films

PRODUCT	RATING	FILM	RELEASE LINER	ACRYLIC ADHESIVES
PS Stoptight™ 220		Polyester/aluminum	PE coated Kraft paper	  Water-based
PS Stoptight™ 320		Polyester/aluminum	PE coated Kraft paper	  Water-based

#### KEY

-  = Eco-Logic Manufacture Rating
-  = Recyclable
-  = Biodegradable
-  = Aqueous technology / water soluble