

## Active Biotech for Protection and Decontamination

Reactive Surfaces employs proprietary biotechnology to produce environmentally-friendly functional coatings and surfaces.

“ProteCoat” is a promising new concept in biocide technology, based on natural antimicrobial peptides (AMPs). They are efficacious for use in-processing, in-can, and in-film, whether used alone or synergistically with existing biocides to kill fungi, bacteria and other microorganisms.

“DeGreez” additives enzymatically degrease surfaces exposed to vegetable and animal oils. Applications include coatings for restaurants, kitchens, floors, air ducts, computers, and cell phones. Products with wider applications are under development.

“OPDtox” additives enzymatically detoxify many toxic organophosphorus (OP) compounds used as insecticides and chemical warfare agents.

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Booth #2014

## Color and Gloss Measurement Gain New Depth



The tester measures the visual properties of effect pigments

Byk-Gardner, an international partner providing complete QC solutions, will exhibit instruments for testing color, gloss, orange peel and physical properties such as application, film thickness and viscosity.

Featured instruments include the new “micro-gloss” with Bluetooth technology, the “Byk-mac” for measuring the metallic color of effect pigments, and the “spectro-guide” for examining color and gloss in a single measurement step.

**Byk-Gardner USA**  
Columbia, MD  
T 301 483-6500,  
(toll-free: 800 343-7721)  
[www.byk.com/instruments](http://www.byk.com/instruments)  
Booth #2608

## Specialty Monomer Output Doubled

Hexion has approved construction of a manufacturing plant in Onsan, Korea, to produce “Cardura” monomer, a glycidyl ester derivative of “versatic” acid, used as a key raw material in environmentally advanced paints and coatings. The plant will be constructed within an existing manufacturing complex in Onsan and is expected to almost double global capacity for this product. This monomer is used as a key ingredient in coatings such as automotive clear coats, coil coatings and marine coatings, where high-solids or waterbased formulations and low VOCs are desired in combination with high performance.

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Booth #1542

## New Distribution Agreement for Additives

R. E. Carroll is pleased to announce it has secured a distribution agreement with UK-based eChem Ltd. and its American subsidiary American eChem Inc. to distribute coalescing agents, PEG esters and phthalate-free plasticizers for the North American paint and coatings marketplace.

**R. E. Carroll Inc.**  
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Booth #1418

## Advanced VAE Dispersion and Silicone Rubbers

Wacker will be exhibiting its diverse and comprehensive range of silicone, VAE, silica and cyclodextrin-based technologies for industrial and marine, architectural, packaging, paper and film coatings, as well as for adhesive and sealant applications.

One product to be showcased is “Vinnapas EF8001”. This next-generation VAE dispersion is APEO-free, with low odor, low VOC and low formaldehyde levels. It can be used to formulate zero-VOC architectural coatings meeting even the strictest regulations and guidelines.

Also being showcased are “Geniosil STP-E” pre-polymer and “Geniosil N” sealant and adhesive materials. Both provide paintable, silicone rubber-type performance and are environmentally friendly. In addition, they offer quicker production cycle times with an extended shelf-life.

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Booth #2408

## Nanoparticles Improve Crosslinking

Buhler Partec develops and manufactures dispersions of nanoscale metal oxides to be used as additives in formulations. “Oxylink” is a nanoparticle performance additive for waterbased paints, coatings and inks for all substrates.

It improves crosslinking through direct interaction with the resin and thus accelerates the drying process without affecting open time. The benefits from this additive include increased solvent- and humidity-resistance as well as blocking resistance. This dispersion of tailor-made inorganic nanoparticles requires a dosage of only 1 percent and is suitable for use in both clear and pigmented formulations.

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Booth #1224

## One Binder for All Decorative Waterbornes

Reichhold offers one of the most comprehensive ranges of resin technology in the coatings industry. Cutting-edge products being highlighted at the ACS include “Beckosol AQ” alkyd latexes, waterborne oil modified urethanes and waterborne epoxy curing agents.

This product is made from renewable resources, works like an alkyd, cleans with just water, and gives excellent performance in applications from stain and primer to flat, semi-gloss and high gloss paints.

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Booth #1045

## Open Time Extender and Freeze-Thaw Protection

“Rhodoline FT 100” is a versatile APEO-free, zero-VOC additive that promotes freeze-thaw stability in paints and coatings based on low Tg latex binders. Tests have also shown that the additive can improve gloss, pigment dispersion and stain resistance in a range of different binder types and sheen levels.

The “Rhodoline OTE” range of open time extenders for waterborne paints are APEO-free, zero-VOC products designed primarily for low Tg binders. They have also been proven to work on a broad base of formulations, providing additional benefits such as improved gloss, pigment dispersion and stain resistance.

**Rhodia Inc.**  
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Booth #1943

## Advanced Recyclable Plastic Containers



BWAY Corporation has developed the unique “Eco-Pail” that offers many environmental benefits compared to standard plastic pails. It has a lighter overall weight, utilizes recycled resin, and eliminates rubber gaskets and metal handles while providing enhanced performance. The fully recyclable container is used to package a wide range of industrial products.

The offer includes a wide range of fully recyclable hybrid containers, available in gallon, quart, pint and half-pint capacities.

The company’s all-plastic containers are available in gallon and quart sizes. These too are fully recyclable. The unique two-piece design eliminates the ring where excess material becomes trapped on traditional paint cans.

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Booth #1942

## Triple Seams Make Tougher Pails

Cleveland’s new pail seam design offers unprecedented protection for carriage of critical materials.

All of the five plants will now produce both open-head and tight-head steel pails based on “Triplex” technology. This system produces stronger containers because the seams are created by two additional layers or ‘wraps’ of steel forming a ‘triple’ seam rather than a ‘double’ seam. An improved cover fastening design for open head pails also improves integrity in the upside-down drop test.

This novel design substantially surpasses the UN performance rating of traditional steel pails. A new straight body profile on the open-head pail design also allows for an increased labeling area, which reduces wrinkling when using larger labels.

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Booth #1848