

CYTEC



Coating Resins Product Range

Protective Coating Resins

Concrete and Metal Applications

As a leading specialty chemical and materials company, Cytec Industries focuses on creating advanced technological solutions. Cytec's products for the protective coatings market help coatings manufacturers realize competitive advantage with improved performance, enhanced appearance and greater ease of application combined with the environmental benefits of waterborne technology. And with our many manufacturing facilities, technical support centers and distribution sites located around the world, we provide consistent, rapid and responsive service to help customers identify and profit from emerging opportunities.

Cytec's innovative family of waterborne epoxy, acrylic and alkyd resins can help coating producers overcome the challenges associated with developing high-performing protective systems for concrete and metal. Our innovative low VOC, low odor resins for concrete coatings are fast drying and fast curing, have a low sensitivity to dampness and provide good penetration, film formation and adhesion. Meanwhile, our high-performance water-based resins for metal surfaces have excellent mechanical properties and low volume shrinkage upon cure while providing superior adhesion, chemical resistance and corrosion protection.

Formulators of both field-and factory-applied coatings for metal and concrete will appreciate our selection of performance-driven one component and two component primers, intermediate coats and topcoats. Our advanced resin technologies are ideal for formulators targeting both existing and emerging markets:

- General Metal – preformed metal pieces
- Agricultural and Construction Equipment
- Infrastructure – bridges, parking decks, stadiums
- Power – electrical, wind and nuclear power plants
- Industrial plants – flooring, piping, tanks
- Petrochemical – oil refineries, piping, offshore construction
- Marine - below and above water; containers
- Railway

Metal Primers 1K – Ambient Cure

| Product | Technology | Features |
|---------------------------------|---------------------------|---|
| BECKOPOX™ EM 2120 w/45WA | Waterborne Cationic Epoxy | Excellent corrosion resistance, fast hardness development. |
| RESYDROL™ AY 6150 w/45WA | Waterborne Alkyd | Good humidity and corrosion resistance, high gloss. |
| DUROXYN™ VAX 6127 w/42WA | Waterborne Epoxide Ester | Good corrosion resistance, oxidative drying, good recoatability, high water stability, flexibility. |
| DUROXYN VEF 2406w/45WA | Waterborne Epoxy Ester | Good corrosion resistance, good recoatability, high water stability, fast drying. |
| DUROXYN VEF 4380w/35WA | Waterborne Epoxy Ester | Good corrosion resistance, quick oxidative drying, high water stability. |



Metal Primers 2K Epoxy (Epoxy + Hardener)

| Product | Technology | Features |
|---|--|--|
| BECKOPOX EP 386 w/53WAMP + BECKOPOX VEH 2188 w/55WA | Waterborne Epoxy Dispersion + Waterborne Hardener | Excellent corrosion resistance, flexibility, good potlife, good adhesion on various substrates. |
| BECKOPOX EP 386 w/53WAMP + BECKOPOX EH 613 w/80WA | Waterborne Epoxy Dispersion + Waterborne Hardener | Excellent corrosion resistance, fast reactivity, good potlife, good adhesion on sandblasted steel. |
| BECKOPOX EP 2384 w/57WA + BECKOPOX VEH 2188 w/55WA | Waterborne Epoxy Dispersion + Waterborne Hardener | Excellent corrosion resistance, fast hardness development, low VOC formulations possible. |
| BECKOPOX VEP 2390 w/75MP + BECKOPOX VEH 2849 w/80WA +/- BECKOPOX EH 613 w/80WA | Solid Epoxy Resin- Emulsifiable in water + Waterborne Hardener | Outstanding corrosion resistance, flexibilized, use as Zn rich primer. |



Metal Topcoats 1K- Ambient Cure

| Product | Technology | Features |
|--------------------------|--------------------|--|
| RESYDROL™ AY 6150 w/45WA | Waterborne Alkyd | High gloss, easy application, good humidity resistance. |
| DAOTAN™ TW 1252 w/42WA | Waterborne PUD | High gloss, high hardness, good chemical resistance. |
| VIACRYL™ VSC 6279 w/40WA | Waterborne Acrylic | Good gloss, fast drying, excellent non-yellowing and outdoor durability. |



Metal Topcoats 2K PUR- Ambient Cure

| Product | Technology | Features |
|--------------------------|-----------------------|---|
| MACRYNAL™ SM 6810 w/42WA | Waterborne Acrylic PU | High hardness, good chemical properties. Excellent outdoor resistance, high thickness with airless application. |

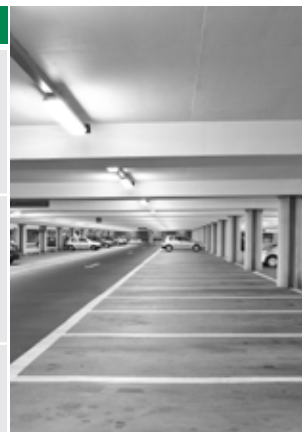


Metal Monocoat 1K Ambient Cure

| Product | Technology | Features |
|-------------------------|------------------|-------------------------------------|
| RESYDROL AY 6150 w/45WA | Waterborne Alkyd | High gloss, low VOC, good adhesion. |

Concrete Primer or Topcoat 2K Epoxy (Epoxy + Hardener)

| Product | Technology | Features |
|---|---|--|
| BECKOPOX™ EP 386 w/53WAMP + BECKOPOX EP 147W + BECKOPOX EH 623 w/55WA +/- BECKOPOX VEH 2106 w/80WA | Waterborne Epoxy Dispersion + Liquid Epoxy + Waterborne Hardener +/- Waterborne Hardener (pot life indicator) | Formulation < 50g/L possible. Shear stable, high flexibility, long pot life, good adhesion, good chemical resistance. |
| BECKOPOX EP 2384 w/57WA + BECKOPOX EP 147W + BECKOPOX EH 623 w/55WA +/- BECKOPOX VEH 2106 w/80WA | Waterborne Epoxy Dispersion + Liquid Epoxy + Waterborne Hardener +/- Waterborne Hardener (pot life indicator) | Formulation < 5g/L and HAPS free possible. Faster drying than BECKOPOX 386 based formula. |
| BECKOPOX EP 147W + BECKOPOX EH 2142 w/63WA | Liquid Epoxy + Waterborne Hardener | Thick layer self leveling coating, can be used on damp concrete. |



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Our Customers' Imagination™

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