



Coating Resins

Durability | Consistency | Reliability

COIL COATING

OVERVIEW:

Crest is

- One of the pioneers in the resin technology in India
- One of the largest resin manufacturers for coil coating in India with a strong presence in the international market
- One of the few resin manufacturers in India, providing customized solutions to global coil coating companies backed by state of art R&D center

Strong R&D capabilities help us to enhance value to customers through new products development and applications in coil coating segment

- Wide product offerings in Topcoat, Primer, Back coat, and Specialty grades
- Crest resins exceed expectations of coil coating manufacturers in diverse conditions of hot and humid tropical climate, the saline environment of the seacoast, and the unrelenting heat of the desert

PRODUCT PORTFOLIO:

Crest offers a diverse range of saturated polyester resins specifically designed for Topcoat, Back coat, & Primer along with specialty grades that can be applied on steel/aluminum substrates.

Crest topcoat offers

- Excellent Weathering
- Great flexibility
- High solid
- Low VOC
- Excellent adhesion
- High gloss

Crest primer offers

- Excellent adhesion
- Good flexibility
- Low VOC

Crest Back Coat offers both Foamable as well as Non-Foamable back coats with

- Very Good Adhesion
- Compatible with PUR System

Speciality products

- Universal Primer
- Acrylic Polyol
- Flexibiliser



Image Courtesy: Beckers Group

APPLICATIONS:

Construction Market

- Roofing
- Exterior & Interior Panels
- Garage Doors
- Rainwear
- Agriculture Panels & Components
- Entry doors
- Roof deck

Consumers Products

- Consumers electronics
- Shelving
- Window accessories (curtain rods, blinds)
- Furniture components (conduits, raceways, wall panels)
- Home Appliances

KEY OFFERINGS FROM CREST

We manufacture wide range of specialty and commodity grades of topcoat, back coat, and primer.

- Top Coat with very good flexibility (0T - 2T) and superior weatherability (QUV A- 500 to 4000 hrs)
- Primer basket with superior metal adhesion, and very good flexibility.
- Wide range of Foamable and Non-foamable Back Coat with both with superior adhesion, and very good flexibility
- High solid with superior gloss
- We also offer recycled polyester for similar applications to limit the consumption of resources and commit to sustainability

We are closely working with our customers to make their formulations a success in terms of high performance, functionality, and durability. Please contact our technical team for more information.





SILICONE MODIFIED RESIN

OVERVIEW:

Crest offers silicone resins specifically designed to withstand high temperatures for a prolonged time. These resins are used to produce coatings for home appliances, automotive, and industrial applications. Crest has polyester as well as epoxy-based silicone chemistries, providing excellent durability in terms of high heat exposure, weatherability, and flexibility.

PRODUCT PORTFOLIO:

POLYESTER SILICONE offers excellent

- heat resistance
- hardness, and gloss

EPOXY SILICONE offers excellent

- heat resistance
- weatherability
- hardness, and gloss

APPLICATIONS:

- **Resins for Appliances, Pot & Pan:** Crest offers a wide range of silicon polyester resins especially suitable for external coatings of cookware. Our resins provide good flexibility and durability with heat resistance up to 250-300° C.
- **Resins for Muffler Coating:** This silicone-based resin has a very high-temperature resistance (600-650°C) and is suitable for automotive muffler coating, grill, and barbeque application, providing good adhesion and durability during high heat exposure.

KEY OFFERINGS FROM CREST:

Crest offers different grades of silicone resins that are formulated to withstand high-temperature applications with

- Excellent UV resistance
- Very good Hardness



Image courtesy: GMM



Image courtesy: Torgue Detail



GLASS FLAKE LINING COATING

OVERVIEW:

Crest offers a glass flake lining system that can provide exceptional long-term corrosion protection to concrete and steel surfaces under severe conditions of corrosive fluids and high temperatures. Crest glass flake coating is suitable for all types of corrosive environments and confirms international standards. Crest has a proven track record in supplying glass flake coatings to large chemical projects.

PRODUCT PORTFOLIO:

Crest offers Glass flake coatings based on the following chemistries:

- Isophthalic acid
- Vinyl ester

APPLICATION:

The glass flake lining systems are mainly used in chemical storage tanks, pipes, sewage plants, structural parts, scrubbers, ducting, clarifiers, and other aggressive environments. Glass flake lining coatings also find applications in waterproofing membranes, marine, and industrial flooring.

KEY OFFERINGS FROM CREST:

Crest offers a basket of Epoxy-based Glass Flake Lining coating which gives the key benefit like:

- Excellent Corrosion Protection
- Low Permeability and Excellent Metal Adhesion
- Enhanced Mechanical Properties
- Cost-effectiveness



Image Courtesy: Kirloskar Corrocoat



UV PLASTIC COATING

OVERVIEW:

UV coating is the application of a clear or colored coating compound to plastic parts that are then cured by ultraviolet (UV) light. The coating can be applied over an entire product, a single side, or specific spots.

UV-cured coatings offered by Crest provide several benefits to plastic molders, to name a few, improved performance, process advantages, and improved appearance.

PRODUCT PORTFOLIO:

We have a wide range of products with various chemistries like

- EPOXY ACRYLATE, which gives high reactivity, chemical resistance, and high gloss to formulations for plastic coating.
- URETHANE ACRYLATE, which improves the hardness and scratch-resistance of a coating.
- POLYESTER ACRYLATE, which gives good flexibility, toughness, yellowing resistance, and surface hardness.
- ACRYLIC ACRYLATE, which gives transparency, resistance to breakage, and elasticity.

APPLICATION:

The coating on any kind of
Plastic Surface / Mobile Coating / Headlamp Coating.

KEY OFFERINGS FROM CREST:

We offer high quality and customized resins for UV plastic coatings providing:

- Good Scratch resistance
- Excellent adhesion
- Non-yellowing
- Difunctional to Multifunctional systems
- Good Gloss



Image Courtesy: Beckers Group



WOOD COATING

OVERVIEW:

Crest offers a wide range of heat-curable and UV curable chemistries suitable for interior as well as exterior furniture applications. Resins offered by Crest increase the life of wood and provides good flexibility, stability, impact resistance, and scratch resistance.

PRODUCT PORTFOLIO:

- Unsaturated Polyester Polyol
- Polyester Polyol
- Alkyd polyol
- Epoxy Acrylate
- Polyester Acrylate

APPLICATIONS:

- Interior Furniture coating
- Sports Goods Wood Coating
- Exterior Furniture Coating
- Kitchen Cabinet Coating, etc

KEY OFFERINGS FROM CREST:

Crest offers wood coating resins that impart:

- Highly Durable
- High Gloss
- Better Smoothness
- Excellent Sheen Retention
- Easily Buffable





AUTOMOTIVE PUTTY

OVERVIEW:

The car putty or bodywork putty is one of the most commonly used items in the process of preparing and painting bases in any body shop. It is a very thick paint that is easy to handle, and it comes in paste or cream format. It is used to repair and level out irregularities or dents produced on the surface of the bodywork, preparing it for the subsequent process of applying primer and finish paints.

PRODUCT PORTFOLIO:

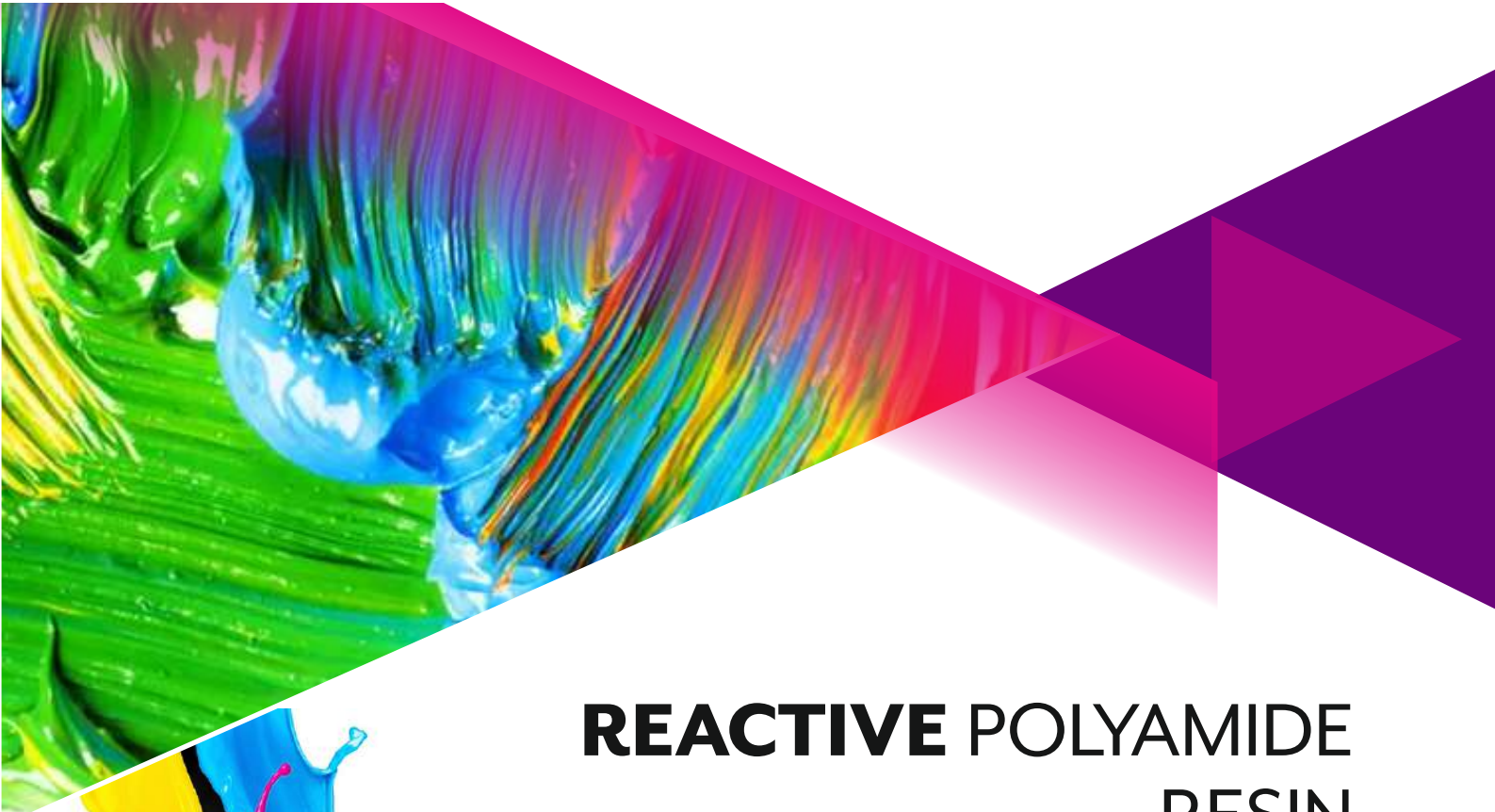
- Unsaturated polyester-based putty resin
- DCPD polyester-based putty resin

APPLICATIONS:

Major application areas are automotive body fillers, heavy vehicle putty, and patching & sealing compounds.

KEY OFFERINGS FROM CREST:

- Crest offers different grades of unsaturated polyester-based automotive putty with superior metal adhesion, sanding, flexibility, and excellent stability.
- DCPD Based putty by Crest provides superior metal adhesion, flexibility, filler loading, sandability, weatherability, and excellent stability.



REACTIVE POLYAMIDE RESIN

OVERVIEW:

Reactive polyamide resins, also known as an epoxy hardeners, are liquid amino polyamide resins. It is primarily used as an epoxy curing agent. These resins are used to produce topcoats and primers, as well as thermosetting adhesives for a wide variety of substrates.

PRODUCT PORTFOLIO:

Crest offers a reactive polyamide hardener for epoxy resins

APPLICATION:

- Coating
- Consumer repair kits
- Industrial adhesive
- Protective coating
- Acceleration of epoxy adhesive cure

KEY OFFERINGS FROM CREST:

Crest offers polyamide resin with key features such as:

- Rapid cure
- Good adhesion to different substrate
- Low temperature cure
- Low toxicity
- Thin film cure
- Excellent Color
- Co- Cure capability





INDUSTRIAL & AUTOMOTIVE COATINGS

OVERVIEW:

The protective coatings offered by Crest prevent damage, scratch, and corrosion from weakening metal or plastic equipment. These coatings save equipment against mechanical, chemical, and environmental degradation. Crest offers a wide range of industrial coatings that can fulfill different requirements of multiple industries.

PRODUCT PORTFOLIO:

Industrial paints vary widely in terms of chemistry. Polyester polyols and Acrylic Polyols are mainly used in a '2K system' combined with isocyanates to make polyurethane. Crest's product portfolio includes:

- Polyester polyol with/ without solvent
- Thermoplastic/ thermosetting Acrylic Polyols
- High Solid and High Hydroxyl Value Polyester Polyols / Acrylic Polyols



Image Courtesy: Beckers Group

APPLICATIONS:

- Heavy Equipment
- Trailers and Vehicles
- Industrial Maintenance
- Topcoat/Basecoat over general industrial metal substrates
- Bus & Fleet OEM
- Marine Coatings
- Auto Refinish
- OEM Product Refinishing

KEY OFFERINGS FROM CREST:

Crest offers a wide range of product baskets with:

- Excellent Mechanical Properties
- Non-yellowing Properties
- High Gloss
- High Hardness
- Flexibility
- Fast Drying
- Abrasion Resistance
- Chemical Resistance
- Excellent Adhesion



Image Courtesy: Unsplash



CAN COATING

OVERVIEW:

Crest has a full range of white basecoats for beer and beverage cans perfectly combining appearance with performance. We also have overprint varnishes developed to meet and exceed the demanding requirements of can makers.

EXTERIOR CAN COATING PRODUCTS:

- Saturated Polyester resin
- Versatic acid-based polyester resin

KEY OFFERINGS FROM CREST:

Crest overprint varnishes have industry-leading performance, delivering all key overprint varnish metrics including:

- Excellent Scratch hardness
- Abrasion performance
- Good Adhesion
- Among other features are good flow and leveling on can surfaces



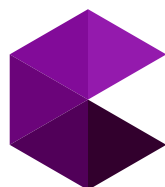
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