



AUTOMOTIVE COATINGS

AUTOMOTIVE PAINTS



Introduction

Kansai Nerolac offers a very comprehensive product range, with complete technical support & services that cater to the specific needs of Auto OEMs & Component Suppliers. All the products are manufactured keeping the latest global trends in mind.

Range of Products

Kansai Nerolac has pioneered the development & innovation activity in its automotive coatings to meet stringent standards of global automotive customers.

A list of products is as under, though it's not exhaustive as we keep on developing newer products to meet customer requirements.

- Electrodeposition Technology
- Primer Surfacer/Intermediate Coat
- Solid & Metallic Topcoat & Clear Coat
- 2K Technology Products for Plastics
- Touch-Up & Auto Re-Finish
- Heat Resistant Paints

Cutting-Edge Technology

- High Solids Base Coat Technology
- Mar Resistance Clear Coat
- Monocoat Metallic for 2 Wheeler
- Low Bake Common Painting System for Sheet Metal & Plastics

Electrodeposition Technology

Kansai Paints Co. Japan has been pioneering research in core technologies such as CED. Over the years, this technology has been continuously upgraded to meet cost, quality and environmental norms around the world. Kansai's latest product is currently the best-suited, though further research is on to offer breakthrough technologies in the future.

This product provides an excellent and smooth film appearance and is specially developed for the 3 Wet Coating Systems (3C-1B). It has been designed for uniform DFT distribution with super high throwing power to achieve minimum cost/unit with excellent performance. This product can be used at lower deposition time (120" against normal 180") and shorter baking (160 deg C x 10' against normal 175 deg C x 15') to reduce energy cost and increase productivity. In an E-Coat, the metal substrate is immersed in an aqueous bath solution & coated with a charged organic primer under the influence of an electric field.

The distinct advantages of the E-Coat are: Uniform coverage without pinholes, or other surface defects, leading to less paint consumption; Better edge protection resulting in corrosion resistance; Coating/access to recessed areas like box-sections etc. It is a single coat environment friendly water-based coating system. The E-Coat process is fully automated, leading to less manpower requirement and is cost-effective with the possibility of a higher paint recovery ratio (up to 99.5% with Ultra Filtrate & Reverse Osmosis system).

Product Range in Electrodeposition

- Acrylic Resin-Based Cathodic Electro-Deposition Primer (ACED)
- Epoxy Resin-Based Cathodic Electro-Deposition Primer (CED)
- Lead-free Polybutadiene-Based Anodic Electro-Deposition Primer (AED)

The product ACED won an innovation award for being first in the world for usage of a single-coat application system for coating of motorcycle frames.

Our CED is free of heavy metals and meets the stringent environmental norms of the automotive industry.

Primer Surfacer/Intermediate Coat

The Primer Surfacer is the second functional layer and it acts as an intermediate coat between E-coat and the topcoats. It also provides excellent stone chip protection and protection against UV rays to the E-coat film.

The Intermediate Coats are available in white, light grey, dark grey, red, blue and other specific colors as required by OEMs. Water borne dipping primers are also developed with an eye on safer environment. Kansai Nerolac also manufactures special intermediate coats such as Anti Chip Primers and Non-Sanding Primers and Wet on Wet Primers etc.

Topcoat

Top Coats provide color, aesthetics and weather protection to the coating system in automotives. Kansai Nerolac manufactures a large variety of top coats based on various resin backbones designed as per technical specifications of customers. Containing an extensive range of colored pigments and effect pigments, it plays a significant role in establishing the visual image. A general distinction can be drawn between a solid-color and a metallic paint finish in this segment. Various types of Metallic & Mica finishes are available.

New technologies in top coats such as 3C-1B Systems are available which are being adopted by various automotive customers to improve productivity, reduction in costs and meeting the environmental norms.

Clearcoat

The clear coat is the top layer in a paint system which provides resistance to sunlight, weather and chemicals as well as biological materials such as bird droppings. It helps provide a scratch resistant final coat to the coating system. Kansai Nerolac offers clear coats of various functionalities such as scratch resistance, acid & alkali resistance, UV resistance, mar resistance etc.

Touch-Up

Kansai Nerolac manufactures various types of touch paints which are used to undertake small touch ups if the paint film is damaged.

Auto Re-Finish

Kansai Nerolac offers a complete range of Auto Refinish product range to service requirements of body shops for repair coatings.

Heat Resistant Paints

Kansai Nerolac manufactures specialty paints such as heat resistant paints, both for interior & exterior surfaces of motorcycle mufflers. These are made to withstand high temperature conditions up to 600°C.



ADVANCEMENTS IN AUTOMOTIVE PAINT TECHNOLOGY

Kansai Nerolac has attained a high degree of expertise and superior levels of specialization when it comes to automotive coating technology. Right from the chemicals and technology used to the trends followed, our products are the absolute best in the industry.

3C-1B

Kansai Nerolac has introduced the latest generation of the 3 coat 1 Bake technology in India. Solvent-borne 3C-1B system has been in use since 2006 in Indian subcontinent. Since then, many new projects have taken the decision to introduce this system.

Soft Feel

We provide soft feel coatings that are highly matted, non-reflective and give an impression of velvet, leather or silk. Applicable for Dashboards, Interiors, etc.

Casting Sealers

Castings are made up of Mild Steel, Aluminum and Alloys. These are heavy blocks and shot blasted before painting as a surface preparation prior to painting. The shot blasted components are sensitive to atmospheric conditions and corrode quickly. We having a wide range of Casting Sealers with different colors to protect these.

These painted castings are then shifted to end user like Tractor/Truck/Agriculture industries or machinery industries. These are again painted with different types of paints like Low bake enamel, PU Top coats etc. as per the end use.

Other Advancements

- Super Durable Monocoat
- Multi Metal Primer
- Direct to Metal Paint
- Super Durable clear coats
- High Solids Paints
- Pearl Finish Paints
- 2C-1B/3C-1B technology
- Water Based Primers/Paints
- Anti-Corrosive Paints
- Fast Drying paints



COLOR RESEARCH & DEVELOPMENT

Kansai Nerolac has a well-equipped Color R&D Centre at Mumbai, which is backed by Kansai Paint Co. Japan that serves the ever-expanding need of the OEM industry for newer shades & finishes. The Color Development Cell of Kansai Nerolac organizes color Presentations at customer locations to give a wide choice of color introductions and follows it through rigorous activity from development to standardization.

Our development team continuously work for the introduction of new shades for new models and refresh the existing models as per the need of the market.

PAINT & COATING SOLUTIONS FOR AUTOMOBILE INDUSTRIES

Kansai Nerolac Paints offers a wide range of Automotive Paint & Coating to support our esteemed global automotive industries (OEMs & their ancillaries) in following segments.

- Two Wheelers – Motorcycles, Scooters and Mopeds



- Passenger Vehicles – Cars, Utility Vehicles & Multi-Purpose vehicles.



- Commercial Vehicles – Light/Medium/Heavy Duty Truck/Bus



Technical Service for Automotive Customers

To support the growing need of trouble-free performance of our products at the user end, Kansai Nerolac has well established technical service team with its Central Service Technology Laboratory based at Mumbai and satellite Laboratories at Bawal/Lote/Hosur/Hobiganj. To support production lines of our important customers we also allocate dedicated Technical Service team members at customer site.

Value Addition/ Value Engineering Activities

Kansai Nerolac undertakes various VA/VE activities in coordination with customers in reduction of cost/consumption, energy savings, safety & environment protection etc. resulting in ultimate delivery of optimized painting solutions.

Multi Substrates Coating

- Two Wheelers – Motorcycles, Scooters and Mopeds



Frame Body



Fuel Tank



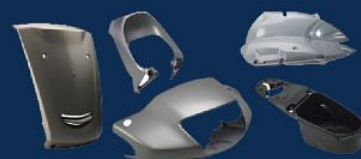
Visor



Wheel Rim



Engine Cases



Scooter Plastic Parts



Mirror



Bottom Case



Side Cover



Chain Case

- Passenger Vehicles – Cars, Utility Vehicles & Multi-Purpose vehicles.



Car Body Parts



Alloy Wheel



Chassis

- Commercial Vehicles – Light/Medium/Heavy Duty Truck/Bus



Cabin



Load Body



Chassis



Castings

Kansai NEROLAC Paints Bangladesh Limited serving with below product lines:

- **Automotive** Products such as ED Coatings/Sealer/Primer/Basecoat/Topcoat etc. which cover all major Automotives- 4W, 3W, 2W, Electric Vehicles, Commercial Vehicles & Tractor segment along with their Ancillaries.
- **General Industrial** Products which caters construction/manufacturing equipment industries as well as Agricultural Equipment & Heavy Machinery.
- **Auto-Refinish** which covers all the after-market segment including, Putty, Surfacer, and all types of multiple Re-Finish coatings.
- **Powder Coating** for all relevant segments including Automotive, Electrical Equipment, Hospital Furniture, Agricultural Equipment, etc.
- **Coil Coating** for all precoated requirements of Roofing, Construction, Furniture and relevant segments.
- **Floor Coatings** which deals with all kinds of Industrial, Sports grounds, Commercial and high end usage flooring for long lasting performance,
- **High Performance Coatings** which cover all protective coating customer including Oil & Gas segment.
- **Marine Coatings** which deals with seaport/ship and other marine segment.
- **Decorative** Segment which deals with households to increase beauty of dream homes.

We are having almost all technology developed for Automotive / 2Wheeler / 3Wheeler / 4Wheeler / Commercial Vehicle / Tractor / Agricultural Equipment / Earth Moving Equipment / Construction / Crushers and other General Industries.

We will be fortunate to be able to help you in some way and be associated with you in your journey of achieving new horizons.

Hamid Hussain

+880 1713-653500

hamid.hussain@nerolacbd.com

Abu Taher

+880 1708-143481

abu.taher@nerolacbd.com

KANSAI NEROLAC PAINTS (BANGLADESH) LIMITED

RAK Tower, Level 11, 1/A Jashimuddin Avenue, Sector 3,

Uttara, Dhaka 1230, Bangladesh

Tollfree: 08001111222 |  www.nerolacbd.com |  /nerolacbd