

# VIJAY COAT

## POWDER COATINGS



ISO 9001 : 2008



[vijay-powdercoat.com](http://vijay-powdercoat.com)





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## Company Profile :

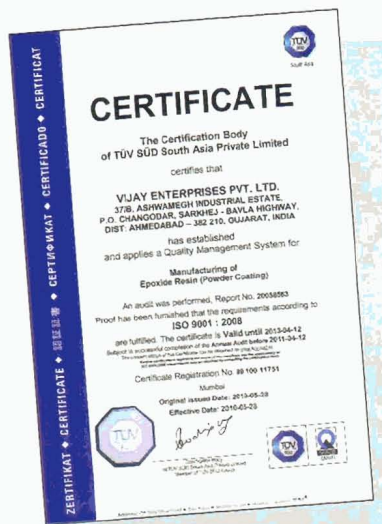
VIJAY ENTERPRISES PVT. LTD., is a leading manufacturer of Powder Coating Material in India. VIJAY COAT to day stands as a reliable source of high quality and durable powder coating materials at very reasonable prices. Vijay's PCM (Powder Coating Material) find extensive application for industrial and other demanding applications.

Vijay Enterprises P. Ltd., was incorporated In 1995 with a view to supplying quality PCM to Indian Industry. Vijay's manufacturing set up is equipped with best machines from M/s. BUSS AG Switzerland who are world's largest manufacturer of powder Coating machinery. Vijay has now established itself and earned a name for its quality supplied and prompt delivery at very economic price.

The initial capacity of the plant was 240 tonnes per annum. However as the production increased the capacity was enhanced to 800 tonnes per annum. The increased capacity also was falling short, so again the capacity was increased to 1500 tonnes. Still demand went on increasing and it was difficult to match the demand, So Vijay decided to double the capacity to 3000 tonnes per annum.

With these kind of expansion Vijay Sticked to the quality aspect of the machinery also. In the process it became machinery rich company. Vijay has got Five Buss AG Switzerland machines. Two for development and Three for production. Vijay became very few companies in India with such a nice set up. With the investment in the machinery Vijay put emphasis on Research and Development also. The laboratory of the Vijay is as good as of any Multinational Company.

Wide Range of  
Powder Coating





# Marketing of the Products

## Indian Market :

With time Vijay has generated tremendous Goodwill in the market. Vijay Supplies to almost all good OEM Customers all across the country. On all India basis Vijay has got 19 Distributors and sales more then 1000 tonnes of Powders. The Distribution of Powder is right from Jammu in north to Trivendrum in South and from Kolkata in East to Mumbai in West.

## Export Market :

In Export market also Vijay has got Good Customer Base. Vijay is supplying to various countries like Bangladesh, Nepal, Vietnam, Dubai, Iran, Kenya, Uganda etc.

## ISO Certification :

Company originally got ISO 9001-2000 Certified in the year 2004. Subsequently in 2007 Company got ISO Certified 9001-2008.

## Powder Coating Material

Powder Coating is 100% Solvent less dry Material. Since application and clean up are solvent free processes, Volatile Organic Compounds (VOC) are minimized in both manufacture and use of Powder Coating. It offers real economic advantages since all the over spray can be collected and recycled



## Advantages of Powder Coating :

- 1. No Primer needed.
- 2. Over spray losses are greatly reduced.
- 3. Labour cost are reduced.
- 4. Cleaning of wet paint booth is eliminated
- 5. Powders are supplied ready for use and hence do not require thinning or mixing before application.
- 6. Reject rates are low.
- 7. Plant occupies less space
- 8. Cost of paint storage is reduced.
- 9. No flame proof equipment needed.
- 10. Powders has very high mechanical strength.
- 11. Powders has got high corrosion resistance

# Process of Powder Coating

## Requirements

- Electrostatic Spray Gun
- Compressed Air
- Recovery Booth
- Air Circulation Oven -Temp. Requirement 180°C to 200°C for 10 to 15 minutes.
- Metal Pre Treatment tanks.

The articles which can withstand Temp. upto 180°C to 200°C in the Oven and which may be earthed properly can be coated with Powder Coatings. They may be of M.S., AL. Extrusions, AL. Di Cast, S.S., Brass, Copper etc.

The articles to be coated is thoroughly cleaned, Degreased, De rusted and Phosphatised in case of M.S. and Chromatised in case of AL. ( For other metals other pretreatment is recommended.) are hanged into Recovery Booth which is properly earthed to the ground. The Powder is to be sprayed on the article by Electrostatic Spray Gun which will stick to the article.

After Coating the article is Oven baked where the Powder on heating will Polymerise to give very fine Uniform Coating. The average Film Thickness is between 50 to 80 microns. However one can get thickness as low as 40 microns to as high as 1500 microns. (1.5mm)

## Range of Products

VIJAY COAT range of Powders are made to provide benefits like attractive finish, durability and toughness. The vast experience of technical people of VIJAY COAT POWDERS in formulating and manufacturing powders is used to meet and satisfy a wide range of requirements and applications. VIJAY COAT products are manufactured using most modern plant imported from M/S. BUSS AG SWITZERLAND and strict quality control procedure to give consistent quality. VIJAY COAT powders are available in Epoxy, Epoxy Polyester and Pure Polyester formulations. They are available in wide range of shades and types of levels like; Glossy, Semi Glossy, Matt, Texture, Structure (Leatherate), Metallic, Antique, Hammertone finish etc.



## Types of Powders :

The following types of Powders are made by VIJAY COAT.

- PURE EPOXY
- EPOXY POLYESTER (HYBRID)
- PURE POLYESTER (TGIC)
- PURE POLYESTER (TGIC FREE)
- SUPER DURABLE
- POLY URETHANE POWDER

The powders are mainly recommended as per their application.

### Pure Epoxy : (In Door)

PRODUCT DESCRIPTION : (COMPOSITION)

Pure Epoxy based cross linked with hardener.

PROPERTIES : (FILM)

Coat Thickness : 50 microns to 80 microns

Impact Resistance : Direct < 80 Kg. cm

Reverse < 60 Kg. cm

Erichsen Cupping Test : > 6 mm

Hardness (Pencil) : 2H to 3H

Voltage : 60 to 100 KV for electrostatic Spray,

Curing Temp : 200°C

Time Range : 10-20 min depending upon thickness of Substrate.

### Shade Range :

In varied colours as per Shade Card.

APPLICATION :

Due to its excellent chemical resistance and resistance to corrosion, applications are varied. Automobile Components, Electric Motor Covers, Switchgear Boxes, Textile Machinery, Office Equipment, Computer Equipment, Glass Bottles, Microwave Ovens, Mixers & Blenders, Oil Filters, Hospital Equipment, Bus Seat Frames, Dryer Drums, Toys, Transformer Cases, Bathroom Fixtures, Refrigerator, Racks, Sewing Machines, Kitchen Furniture etc.

### Epoxy Polyester : (Hybrid) (In Door)

PRODUCT DESCRIPTION : (COMPOSITION)

These are based on a combination of saturated carboxyl terminated (functional) Polyester Resins and Epoxy Resins with higher percentage of polyester to epoxy for better weatherability.

### Properties : (Film)

Coat Thickness : 50 MICRONS TO 80 MICRONS

Impact Resistance : Direct < 80 Kg. cm

Reverse < 60 Kg. cm

Erichsen Cupping Test > 6 mm

Hardness (Pencil) : 2H to 3H

Voltage : 60 to 100 KV for Electrostatic Spray.

Curing Temperature : 180°C

Time Range : 10-20 min depending upon thickness of Substrate..

## Shade Range :

In varied colours as per Shade Card.

APPLICATION :

Interior general purpose and exterior application where is no prolonged exposure to direct sunlight. Office Furniture, School Furniture, Supermarket Shelves, Light Fittings, Tool Boxes Appliances, Air Conditioner Housings, Fire Extinguishers, Power Tools, Grain Storage Bins, Oil Filters, and Air Cleaners, Hot Water Radiators etc.

### Pure Polyester : (Out Door)

PRODUCT DESCRIPTION : (COMPOSITION)

Polyester Powders are based on Carboxyl Terminated & TGIC formulated to extend maximum exterior weatherability.

### Properties : (Film)

Coat Thickness: 50 microns to 80 microns

Direct < 60 Kg. cm

Reverse < 40 Kg. cm

Erichsen Cupping Test > 6mm

Hardness (Pencil) : HB-H

Voltage : 60 to 100 KV for Electrostatic Spray.

Curing Temperature : 200°C

Time Range : 10-20 minutes depending upon thickness of the substrate.

### Shade Range :

In varied Colours as per Shade Card.

APPLICATION:

Exterior applications due to excellent weatherability. Aluminum Extrusion, Window Grills, Architectural Paneling, Automotive Parts, Irrigation Pipe and Fixtures, Outdoor Furniture, Farm Equipments etc.

### Pure Polyester : (Out Door)

(TGIC Free)

Pure Polyester TGIC FREE Powders are available on request for minimum order of 500 Kgs.

### Super Durable Powders : (Out Door)

VIJAY COAT manufactures Super Durable powders which are outdoor durable. The coating is stable for more than 10 years. The Gloss retention is almost 50% after 10 years. Product available on request for minimum order of 500 Kgs.

### Poly Urethane Powders:

Poly urethane powder are available on request.

### Properties of Above Powders :

Specific gravity : Typically 1.2 to 1.85 depending on shade. Particle size distribution: >75 microns 0-5 % <30 microns 30-40%. At 50 microns 1 kg. of powder will approximately cover an area of 11 sq. mt. at 100% efficiency. Theoretical coverage at ambient conditions.

Treatment :

Minimum Solvent degreasing phosphating with Zn Phosphate & Yellow Chromate for Aluminium.





## Types of Finishes Manufactured by VIJAY COAT

GLOSSY

- SEMI GLOSSY
- MATT
- TEXTURE
- STRUCTURE
- METALLIC
- SPECIALITY LIKE  
SILVER, GOLD, COPPER
- ANTIQUE FINISH
- CLEAR
- HAMMER TONE
- GLITTER
- WRINKLE
- WOOD FINISH
- PEARL FINISH
- COLOURED TRANSPARENTS

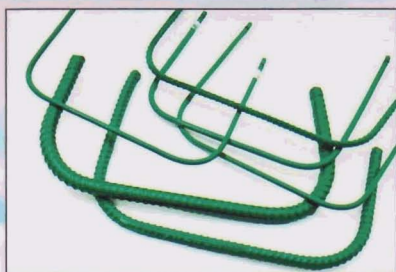
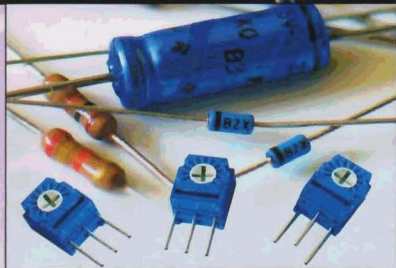
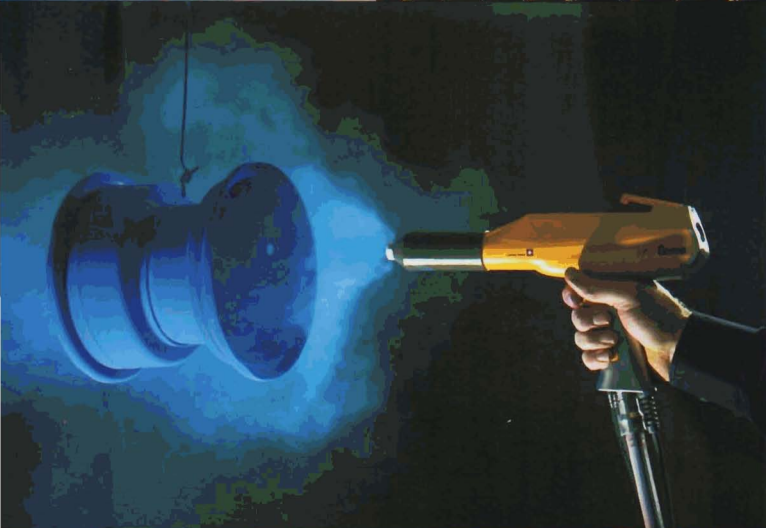
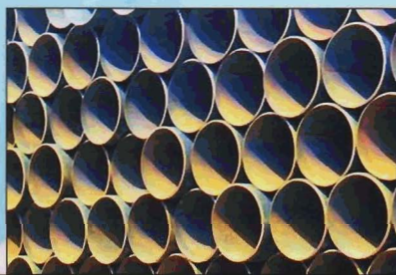
## Technical Powders Manufactured By VIJAY COAT

- FAST CURE
- LOWER TEMPERATURE CURE
- THIN FILM POWDERS
- HOT WATER RESISTANT POWDERS
- HEAT RESISTANT POWDERS FOR  
AUTOMOBILE SILENCERS
- FIRE RETARDANT POWDERS
- POWDER FOR IN CONTACT WITH FOOD  
STUFF (FOOD GRADE)
- ELECTRICAL INSULATION GRADE
- LEAD FREE AND ROHS COMPLIANT POWDERS
- REACH REGISTERED EUROPEAN POWDERS

### FUSION BONDED EPOXY POWDERS :

FUSION BONDED EPOXY POWDERS  
FOR REINFORCING BARS  
FUSION BONDED EPOXY POWDERS  
FOR PIPE COATINGS

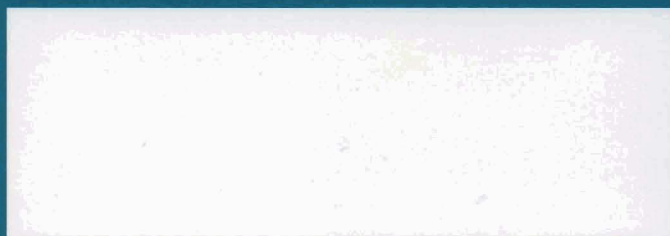
**Storage Stability :** 6 months at not more than 25 degree centigrade in original packing in dry atmosphere.





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Authorised Distributor



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