



Rapid Coat  
POWDER COATINGS



Architectural  
Powder Coatings  
Range

The advertisement features a tall, slender architectural tower with a curved facade, illuminated from within, set against a sunset sky. The tower's upper section is covered in a hexagonal mesh pattern. To the left, a large, abstract geometric shape composed of various shades of gray triangles is visible. The overall composition is modern and architectural.

## COMPANY PROFILE

Rapid Coat Powder Coatings are manufactured by Rapid Engineering Co. Pvt. Ltd. The company started operations in 1974 and has been producing powder coatings since the past 25+ years. Its primary operations are located on 2 acres of land in a prime industrial area on the outskirts of New Delhi, India with approximately 100,000 sq. ft. of built up space. The company sells its products to customers through a wide network of distributors and company owned sales offices.

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## PRODUCTS

Rapid Coat is one of only a few companies in the world that produce both thermosetting and thermoplastic powder coatings. These powders are designed for multiple applications and are used across many different industries.

### Thermosetting Powder Coatings:

- ▶ Epoxy Polyester Powders
- ▶ Pure Polyester Powders
  - ▶ Industrial Grade Powders
  - ▶ Architectural Grade Powders
- ▶ Polyurethane Powders
  - ▶ Anti-Graffiti Powders
  - ▶ Architectural Powders
  - ▶ Wood Effect Powders (Sublimation Process)
- ▶ Pure Epoxy Powders
  - ▶ Zinc Primer Powders
  - ▶ Powders for coating on valves
  - ▶ Powder for electrical insulation on busbars.

### Thermoplastic Powder Coatings:

- ▶ LDPE powders
  - ▶ For coating on steel wire fabricated articles
  - ▶ For automotive carpet backing
  - ▶ For Textile Adhesives
- ▶ High Adhesion polymer Alloy
  - ▶ For welded wire mesh fences
  - ▶ For inner plastic lining of fire extinguishers
  - ▶ For waterproofing of concrete
  - ▶ For coating on valves, pipes and fittings

## CERTIFICATIONS



QUALICOAT CLASS 1  
(P-1419)

CRISIL

ISO 9001:2008

STAR EXPORT  
HOUSE



## Rapid Coat POWDER COATINGS

### ABOUT R-SERIES ARCHITECTURAL POWDER COATINGS

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Rapid Coat's R-Series of architectural powder coatings has been specifically designed to provide a long lasting, outdoor durable coating. Harsh UV light, high temperature and humidity combine to have a damaging effect on the coating. R-Series powders are designed to withstand such demanding conditions. The powders undergo exhaustive in house and third party testing for colour stability, gloss retention and adhesion to the substrate under both laboratory and harsh climatic conditions (Florida, USA).

The R-Series is primarily developed for coating on aluminum extrusions, windows, doors, and facades. The same powders can be coated on mild steel and galvanized steel substrates for both indoor and outdoor uses. Other applications include garden furniture, fences, gates, awnings, lamp posts and public utility projects.

### R-SERIES: PRODUCT DETAILS

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The R-Series offers three types of powders allowing the architect to choose the most suitable powder based on budget, application and durability requirements. All three types can be formulated to meet custom requirements that vary in colour, gloss, texture and metallic effect.

With the R-Series, Rapid Coat offers a limited period guarantee when used in accordance with the guidelines specified by the company. These specifications include product selection, application and maintenance guidelines and can be obtained by contacting Rapid Coat.





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## SERIES R-5 POWDER COATINGS

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**DESCRIPTION:** R-5 powders are based on standard durable polyester technology for architectural applications.

**PERFORMANCE:** 1 year: Gloss retention >30%. Delta E twice the permissible limit as specified in Qualicoat Class 1.

**RECOMMENDED END USE:** Common outdoor areas. Products that have a service life of up to 10 years.

**GUARANTEE:** Exterior Use: 5 years.  
Indoor Use: 15 years.

## SERIES R-10 POWDER COATINGS

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**DESCRIPTION:** R-10 powders are based on extended durable polyester technology for architectural applications.

**PERFORMANCE:** Qualicoat Class 1, 1 year Florida test.

**RECOMMENDED END USE:** High rise buildings. Buildings in industrial and harsh marine environments.

**GUARANTEE:** Exterior Use: 10 years.  
Indoor Use: 20 years.

## SERIES R-15 POWDER COATINGS

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**DESCRIPTION:** R-15 powders are based on Super Durable polyester technology for architectural applications.

**PERFORMANCE:** Equivalent to Qualicoat Class 2, 3 Years Florida

**RECOMMENDED END USE:** Buildings in extreme outdoor conditions with high levels of pollution. Very prestigious buildings such as airports, concert halls, hotels and high rise commercial towers.

**GUARANTEE:** Exterior Use: 15 years.  
Indoor Use: 20 years.



## APPLICATION GUIDELINES

The aesthetics and durability of the coating is integrally dependent upon the application process. Each step and process contributes to making a coating system. This combined coating system must resist weathering and degradation.

### PRE-TREATMENT

The correct choice of chemicals and process plays a major role in the final quality of the coating system. The substrate to be coated must undergo pre-treatment such that the metal is devoid of any dirt, grease and rust and is adequately etched to enable a uniform film buildup of the powder with a strong adhesion to the metal.

### CURING OF POWDERS

The time and temperature of curing should be exactly as specified as this process controls the degree of cross-linking of the resin in the powder. This in turn provides adhesion and durability to the coating.

### FABRICATION & INSTALLATION

For products to be used in harsh / marine environments, it is recommended that machining be done prior to powder coating. Doing so allows for all sided coverage of the substrate thereby limiting ingress of moisture and dirt.

### MAINTENANCE-CLEANING

Regular cleaning is essential to maintain the appearance of the coating over an extended period of time.

## R-SERIES POWDER COATINGS IS ENVIRONMENTALLY FRIENDLY

Unlike other coatings, powder coatings provide an environmentally sustainable solution because there are no VOC's, solvents and toxic heavy metals. Since almost 100% of the powders can be either recycled or reprocessed, there is practically no waste generation. The one coat technology results in the lowest energy consumed per square foot coated.



# Architectural Powder Coatings Range

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