

**INTRODUCTION**

Powder coating is an increasingly popular method for providing a protective and / or decorative coating on metallic objects. Unlike liquid paints, a powder coat is a dry material that will not drip or run upon application. While powder coating is most commonly used on metals such as iron or steel, it can also work well on non-metallic materials such as ceramic, glass and even wood. In today's manufacturing scenario, where shortage of raw material, power & increasing pressure to reduce costs are the order of the day, In all this 'Powder coating application' is possibly the most troubled issue. Lack of knowledge in powder coating technology leads to high rework and rejection rates. With changes in the global market, the demand for INDIAN products is expected to grow exponentially and to grab this global supply opportunity, educating and upgrading the existing workforce is going to be the need of the hour.

Keeping this in view, IMTMA is organizing an online training on **Powder Coating Technology - Process, Applications, Defects Analysis and Prevention.**

**FOCUS AREAS**

- **Pre-treatment**
  - Both Mechanical & Chemical Pre-treatment Requirements & necessity
  - Mechanical Surface preparation – Blasting, Chemical Pre-treatment – Phosphating, Chromatising, Nano PT, Integration to Industry 4.0 & IOT
- **Basics of Powder Coating Technology**
  - History of powder coating, Types of Powder Coatings
  - Powder Coating Applications
  - Powder Manufacturing Stages
- **Technology of Paint & Powder coating**
  - Importance of different layers in the coating system,
  - Requirements as per international standards for different industry
- **Powder Coating Application**
  - Process flow
  - Fluidised bed application, Static Electricity, Electrostatic Powder Coating
  - Coating Problems
  - Powder booth, Baking Oven, Cyclone collectors / Recycle systems
  - Best Outputs from your powder coating systems
- **Visual Powder Coating Film Defects**
  - Defects occurred in Industrial finishing process
  - The root cause & the preventive measures
- **Testing Methods & Standards**

**KEY TAKE AWAYS**

- Understand the fundamentals of powder coating Technology & methods to get the best outputs
- Understand correct process sequence and the SOPs involved Learn how to ascertain quality of coated products
- How to reduce rejection rates and rework in paint shops

**FEE PER PARTICIPANT (PER LOGIN)**

**Rs. 5500/-**  
+18% GST  
**IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others**

**USD 220/-**  
**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company**

**FACULTY**

This programme will be conducted by Mr. Meghan Manjrekar, Industry expert in Surface Coating & Application Technology. Mr. Manjrekar is a Qualified Paint Technologist & has over 38 years’ experience in the field. He is a certified International Coating Inspector – SSPC (USA) PCI Level 2. As a Consultant, he has an impressive list of Customers with OEMs & MNCs on his list. He has been in the Training & Education field for the subject for over 15 years & has delivered special courses as well as, in-house courses for industry in India & Abroad.

**For Registration Contact**

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