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# NOBLE METAL COATING L.L.C.

SP. IN : POWDER COATING • GALVANIZING • METAL PLATING • ANTIQUE FINISH

Ref. No. :

Date :

## COMPANY PROFILE

In today's world of a visually oriented society, where adjustment is made by appearance, powder coating had made its mark in the construction industry by offering a wide range of colours of coated finish to the Architects and Engineers.

**Noble Metal Coating LLC** is located in Sharjah Industrial 10, UAE and is functional since 10 years. We are able to provide best quality and service in the field of Metal Finishing to our clients in UAE and abroad carving a niche for itself in the highly competitive world.

### What is Powder Coating

Powder coating is an advanced method of applying a decorative and protective finish to a wide range of materials and products that are used by industries and consumers. The powder used for the process is a mixture of finely ground particles of pigment and resin, which is sprayed onto a surface to be coated. The charged powder particles adhere to the electrically ground surfaces until heated and fused into a smooth coating in a curing oven.

Noble Metal Coating LLC has given strong emphasis on quality and has advanced testing equipment that assists in achieving the best results.

Our Plant is capable to offer attractive finish, durable weather resistance, protective powder coating that is customized to meet demand of decorative and protective coatings. The Company is one of the leading applicators for JOTUN, ALWAN and HENKEL Chemicals.

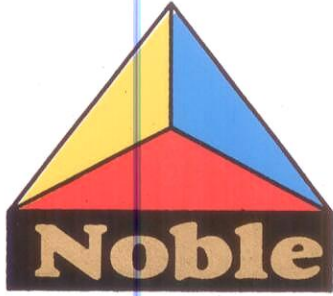


*" Your Partners in Metal Finishing "*

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## POWDER COATING PROCESS

### Pre Treatment

- ❖ Jigging of material.
- ❖ De-greasing in alkaline solutions.
- ❖ Rinsing 1<sup>st</sup> clean water.
- ❖ Etching in caustic bath.
- ❖ Rinsing in 2<sup>nd</sup> clean water.
- ❖ Desmuting in acidic solutions.
- ❖ Chromating in conversion chromate solutions.
- ❖ Rinsing 4<sup>th</sup> in clean water.
- ❖ Rinsing 5<sup>th</sup> in de-ionized water.
- ❖ Dry in special dry-off oven.

### Powder Spraying

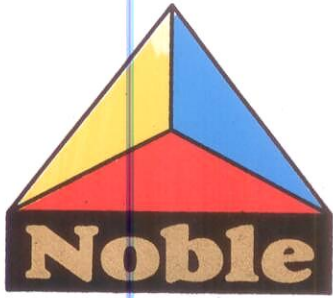
- ❖ The jigging material is now taken to the semi automatic line to the cyclone booth where required powder (RAL as per order) is being evenly sprayed by Switzerland made GEMA electrostatic powder coating guns.
- ❖ The material is passed through the cyclone booth and thereafter visually inspected before reaching ovens.
- ❖ Coated material is now forwarded to the automated gas fired oven where temperature for backing the material is set upto 230<sup>o</sup> for 15-20 mins.
- ❖ After baking process is completed the material is now left to cool down in room temperature after normalizing the material temperature inspections of the coating is carried out visually and coating thickness is being measured (60-80 microns).
- ❖ After the final inspection of the coating material is properly packed and it is ready for dispatch



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## Quality Control

At every stage of the powder coating process our staff monitors the product to protect their quality from ensuring a thorough pre treatment systems and dry off to an even quality finish that can withstand impact and weather resistance.

## Overview

We again assure you with our good quality, reliability and best service. We are always innovative in quality matters and eager to learn more by time to time.

Thank you & Best Regards,

For Noble Metal Coating LLC,

Mustafa H.B  
Managing Director



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