



PERFECT INDUSTRIES FZC



PERFECT COIL ■ PERFECT COATING ■ PERFECT INDUSTRIES

Quality Policy

Perfect Industries FZC is the pioneer and market leader of Processing & Supplying Continuous coil coating wet paint application on aluminium, galvanized iron & galvalume coils.

To Strive for Perfection and Delight of all our Stakeholders, Customers, Employees Shareholders and other interested parties. In order to achieve this, we are Committed:-

- ▶ To deliver the PERFECT Quality Product, accompanied by PERFECT Quality Service, at the PERFECT Price to our Customers,
- ▶ To Provide the PERFECT work environment for the Employees with high safety Standards, training and motivation & adequate performance monitoring and reward mechanism,
- ▶ To comply with requirements & continual improvement the effectiveness of Quality Management System by self evaluation and reviews with optimum utilization of Resources.

The above Policy provides the framework for establishing and reviewing quality Objectives at relevant functions of Perfect industries FZC. It will be reviewed Periodically for continuing suitability.

Approved By:
Managing Director

Date:
March 10, 2010

ISO Certificate



ECCA Membership



About Us

Perfect industries FZC offers continuous coil coating wet paint application on substrates such as Aluminium, Galvanised Iron (GI), Galvalume (Aluzinc) and Stainless Steel using paint systems such as Polyester, PVDF, Plastisol and Polyamides. We also pride our self in being able to conduct complete Technical evaluations of coated coils inhouse with our state-of-art laboratory incorporating the most modern testing methodologies.

We are part of the Perfect Group of Industries having interest in structural steel fabrication & erection, Stainless steel fabrication of process equipment/ pressure vessels, specialized Fabrication, erection and commissioning of EOT cranes, coil coating lines, polymer construction of Warehouses/ sheds, anti-corrosion, etc.

This state-of-the-art coil coating plant was commissioned as a part of our group diversification Strategy with technical collaboration from UK using best of breed equipments from Italy, India, Germany, UK, etc. The professionals involved in the design and management of the technology have a combined experience of more then 100 years in continuous coil coating. We cater for Most widths from 19 mm to 1600 mm lines.



The distinct advantages of the coil coating process is its ability to provide a uniform coating

With very reproducible thickness, colour and gloss in order to achieve better life and aesthetics



Advantages

- ▶ Cost Effectiveness
- ▶ Versatility
- ▶ Environment Friendly
- ▶ Fast Production
- ▶ Choice of Multi Paint Systems
- ▶ Superior Finishes
- ▶ Full Control of Paint Thickness
- ▶ Quick Change of Colours
- ▶ Competitiveness
- ▶ Consistency Of Production Runs



Manufacturing Lines

Our two high speed plant (Up to 45 meters/minute) is 140 meters in length & having the latest two coat Two bake system with accumulator at each end.

The Primer and topcoat are applied in the same run Leading to zero wastage of coils. Our two reverse roller Coating machines ensures uniformity, quality and performance of the paint system. Each machine is capable of coating front and back & can be used to coat four colours in one run to provide two side coating (C2) for special customer requirements.



Colour Matching

We at Perfect industries can offer various colours matching to our Customer's requirement in the shortest period of time. Our in house colour computer and paint tinting system is designed to meet the client's needs. We also undertake the matching of the colours even for the smaller lot and specific requirements.



Paint System

We can offer any paint system as desired by the customer. Currently we are offering the following:

Polyester

A more economic paint system used for general roofing, cladding & interiors in normal atmospheric conditions.

PVDF

Paint system used for better corrosion/UV/ Fading resistance. Recommended in severe atmospheric environment.

Plastisol

They can be used in cold storage (low Temperature) with the film thickness up to 100-200 microns & gives coated surface toughness & high corrosion resistance with leather finish.

Polyurathene / Polyamide

This is a very UV durable system with improved scratch resistance & when used in combination with high build primers, film thicknesses up to 60 micron can be achieved as an alternative to plastisols in corrosive environment.

Colour Chart

We supply shades conforming to the RAL shade standards, BS standard and any colour can be matched using our colour matching system.



Product Range

Prepainted Aluminium –ASTM-B209

Alloy	AA3003/AA3004/AA3105/AA5074
Thickness Range:	0.20 mm to 2.00 mm
Width:	19mm-1600 mm or any combination slit width
Coil Weight:	Up to 2.5 metric ton
Coil ID:	508 mm
Coating:	5 micron of primer and 20 micron top coat on top side & 5 -7 micron service coat on backside or as per customer requirement.

Prepainted Galvanized Steel – ASTM A653 M

Type:	LFQ/SS Grade
Zinc Coating:	120 gsm to 275 gsm
Thickness Range:	0.20 mm to 1.5 mm
Width:	19mm -1500 mm or any combination slit width
Coil Weight:	Up to 5 metric tones.
Coil ID:	508 mm
Coating:	5 micron of primer and 20 micron top coat on top side & 5-7 micron service coat on backside or as per customer requirement.

Prepainted Galvalume ASTM-A792

Type:	LFQ/SS Grade
Zinc Coating:	AZ100 to AZ150
Thickness Range:	0.20 mm to 1.5 mm
Width:	19 mm-1500 mm or any combination slit width
Coil Weight:	Up to 5 metric tones.
Coil ID:	508 mm
Coating:	5 micron of primer and 20 micron top coat on top side & 5-7 micron service coat on backside or as per customer requirement.

Printed Coils

- 1) Wood finish
- 2) Marble finish
- 3) Granite finish

Mill Finish / Pre Painted Aluminium finish / Pre Painted Aluminium Embossed coils:
Stucco Embossed Temper: H174, H154, H254, H274
Leather Finish Plastisol Embossed Coil.

Perfect Quality Specifications

Test Undertaken	Standard Data	Remarks
GENERAL		
Organic Coating Thickness		
Top Coat	20-25 microns	
Back Coat	5-10 microns	
Specular Gloss@ 60 deg		

FLEXIBILITY		
Reverse Impact	40" / 1b	No cracks
Bend Test	2 T	Can go up to 1T
Erichsen Test	>5mm	No Tape off
Cross Hatch	Pass	No Tape off

CORROSION RESISTANCE		
Salt Spray	500 Hrs	Polyester
Salt Spray	1000 Hrs	PVDF
Humidity	1000 Hrs	
QUV weather meter	1000 Hrs	
Acid Resistance	24 Hrs	5%HCLSolution for steel
Alkali Resistance	24 Hrs	5% Naoh Solution
Double rub test	50 double rub of MEK	
Boiling water	1 hr	

TEST STANDARD	FALSE CEILING	ROLLER SHUTTER
AS PER E.C.C.A	APPLICATION	APPLICATIONS
Coating Thickness (Top)	20 microns $\pm$ 2	22 microns $\pm$ 2
Coating Thickness (Bottom)	5 microns $\pm$ 2	5 microns $\pm$ 2
Gloss at 60	10 to 90%	20 to 35%
Pencil Hardness	F-H	F-H
Impact (kg.cm)	32	32
Erichsen (mm)	5	5
Cross Hatch	100%	100%
Radius Bend	1T	1T
Solvent Resistance	100	100
Humidity	Good	Excellent
Salt Spray	Good	Excellent
Abrasion Test	Good	Good

Above are the standard specifications.
Special requirements can be supplied on request.

Applications

Roofing
Cladding
Sandwich Panels
Cold Storages
Rolling Shutters
Facades
Lineal ceiling
False Ceiling Tiles
Architectural Cladding
Composite Panels
Lift Interiors
Door Profiles
Door Panels
Window Panels
Gutters
Awnings
Kitchen Cabinets
White Goods
Appliances
Lighting
K.Span Buildings

Whereever Sheet Metal is Used !!!!



PERFECT INDUSTRIES FZC

An ISO 9001 : 2008 Certified Company



Factory

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