



Welcome to

BLUE EARTH METAL COATING L.L.C

EXPERTS IN DECORATIVE POWDER COATING IN METALS

COMPANY PROFILE 2020 - 2021



POWDER COATING

Your imagination of colours brought alive by Blue Earth Coatings



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BLUE EARTH METAL COATING L.L.C

COMPANY PROFILE

Blue Earth Metal Coating L.L.C would like to introduce ourselves as the Powder Coating Unit established in the year April 2017. The company is located in Ajman with a custom built plant dedicated to Powder Coating business.

We pride ourselves on working closely with customers/clients to meet individual needs, requirements and timescales. Our Powder Coating Unit has the capacity to produce powder coating materials of 10 tons/day. Our current employees have extensive experience in the field of Powder Coating in Middle East & India.

Our Powder Coating Unit consists of one of the biggest Batch Oven in UAE in which the materials fitting the dimension upto 8m in length, 3m in width and 3m in height can be excellently powder coated in our plant premises. Our on-site powder coating facility offers finishing in a variety of RAL colours which is equipped with precision instruments especially designed to control the quality of metals and to ensure the customer/client specifications.



Blue Earth Powder Coating provides high-quality, durable finish, allowing for maximum production, improved efficiencies and simplified enviromental compliance. The perfect powder coating for your project!



We undertake powder coating works for commercial, industrial and domestic. We carry out electrostatic powder coating in Mild Steel (MS), Galvanised Iron (GI) Stainless Steel (SS) and Aluminium which includes Epoxy, Polyester and Super Durable Finish (SBF) Powder Coating for Architectural Steel, Electrical & Fire Panel Boards, Sheet Metal Works, Fencing & Wall Railings, Steel Furniture & Storage Cabinets, Canopy, Mesh & Gates, Sign Board & Display Systems, Light & Parking Poles etc. All projects are individually prices to client requirements.

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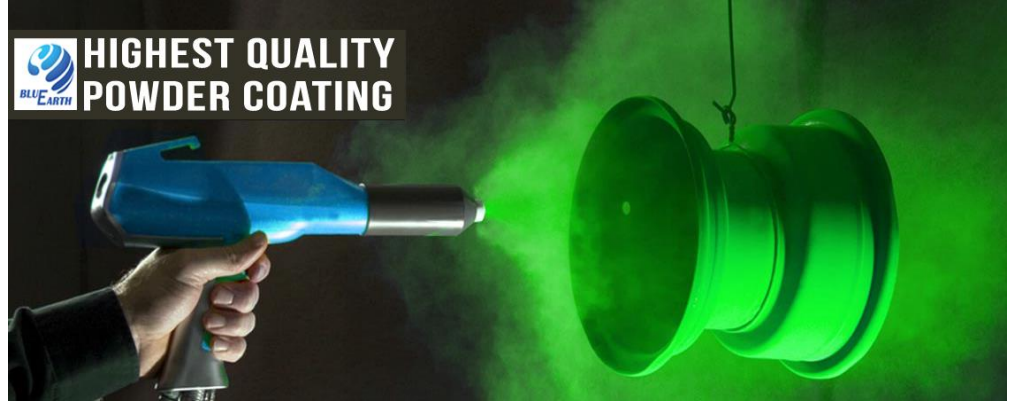
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Blue Earth Metal Coating offers a vast range of colours in matt, gloss, textures and metallic finishes in high quality standards and transparent effects rendering to International Powder Coating Standards. We also select the best and proper Manufacturers and Suppliers like Jotun, National Paints, Alwan and Akzonobel for the powder coating requirements.



To ensure your valuable items leave us as safe and secure as possible and to prevent damage in transit, we will pack items using a range of packing materials. We guaranteed all our powder coated items for 10 years against coating peeling off, under normal conditions.

We duly welcome your enquiries for our Powder Coating Services and also assure you of prompt and professional attention to all our customer needs. There is such a vast range of colours and textures available. We have colour charts on site and many sample panels to assist you in your colour choice.



We approach each job with the attitude of being an extension of your progress. The tasks that are assigned to us get completed accurately and in a timely manner. We are your speciality Powder Coating Company, and we work hard for you.

Customer satisfaction is the primary motto, as we look forward for your valuable orders. Please let us know how Blue Earth Metal Coating L.L.C can assist you with this service.

For any further info / clarifications that you may require, please do not hesitate to contact us.

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POWDER COATING METHODOLOGY

Powder coating is a type of coating that is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and powder coating is that the powder coating does not require a solvent to keep the binder and filler parts in a liquid suspension form.

It is an advanced method of applying a protective and decorative finish to a wide

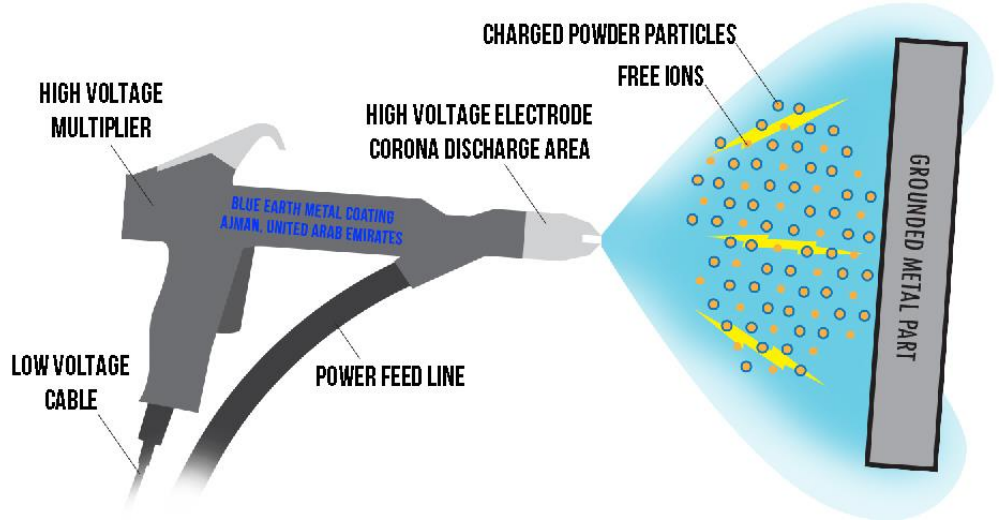
range of materials. The powder coating on the Mild Steel (MS), Galvanised Iron (GI) Stainless Steel (SS) and Aluminium helps to enhance the ability of the metal to resist corrosion and damage from the elements.

In the powder coating process, the metal profiles are cleaned, and then transferred to a spraying booth where an electrostatically charged polyester powder is sprayed on profiles under controlled parameters. After being sprayed, profiles are cured in a special oven to achieve a hard, uniform and well bonded powder coated film.

Powder coating started as a finishing technique on metals but now the method is used to various industries. Powder coating refers to a finishing technique that is durable, decorative and long lasting. It has its application in almost any industry. It can be done in

almost any colour or finish in matte or smooth. Products with powder coating are rust-free, scratch resistant and also environment friendly.

To attain the highest standards in powder coating finishes Blue Earth Metal Coating L.L.C uses the latest technology equipments and procedures.



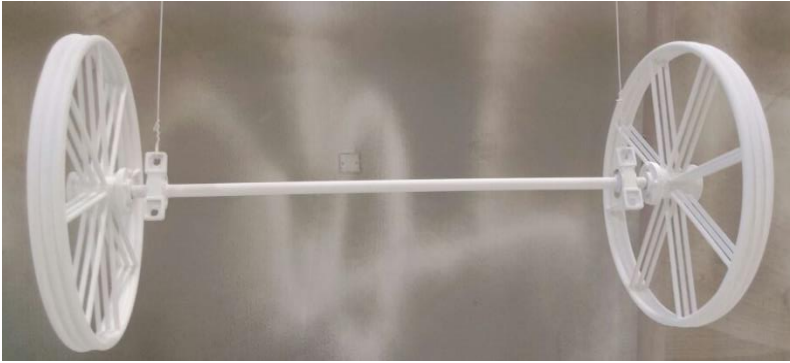


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The Plant, System & Supplier utilized for Powder Coating Services is as follows;

- Plant : 8m length x 3m width x 3m height
- Coating System : High quality electrostatic manual gun
- Powder Supplier : Jotun, National paints, Alwan and AkzoNobel

Removal of oil, soil, lubrication greases, metal oxides (rust), welding scales etc. is essential prior to the powder coating process. It can be done by a variety of chemical and mechanical methods. The selection of the method depends on the size and the material of the part to be powder coated, the type of soil to be removed and the performance requirement of the finished product.



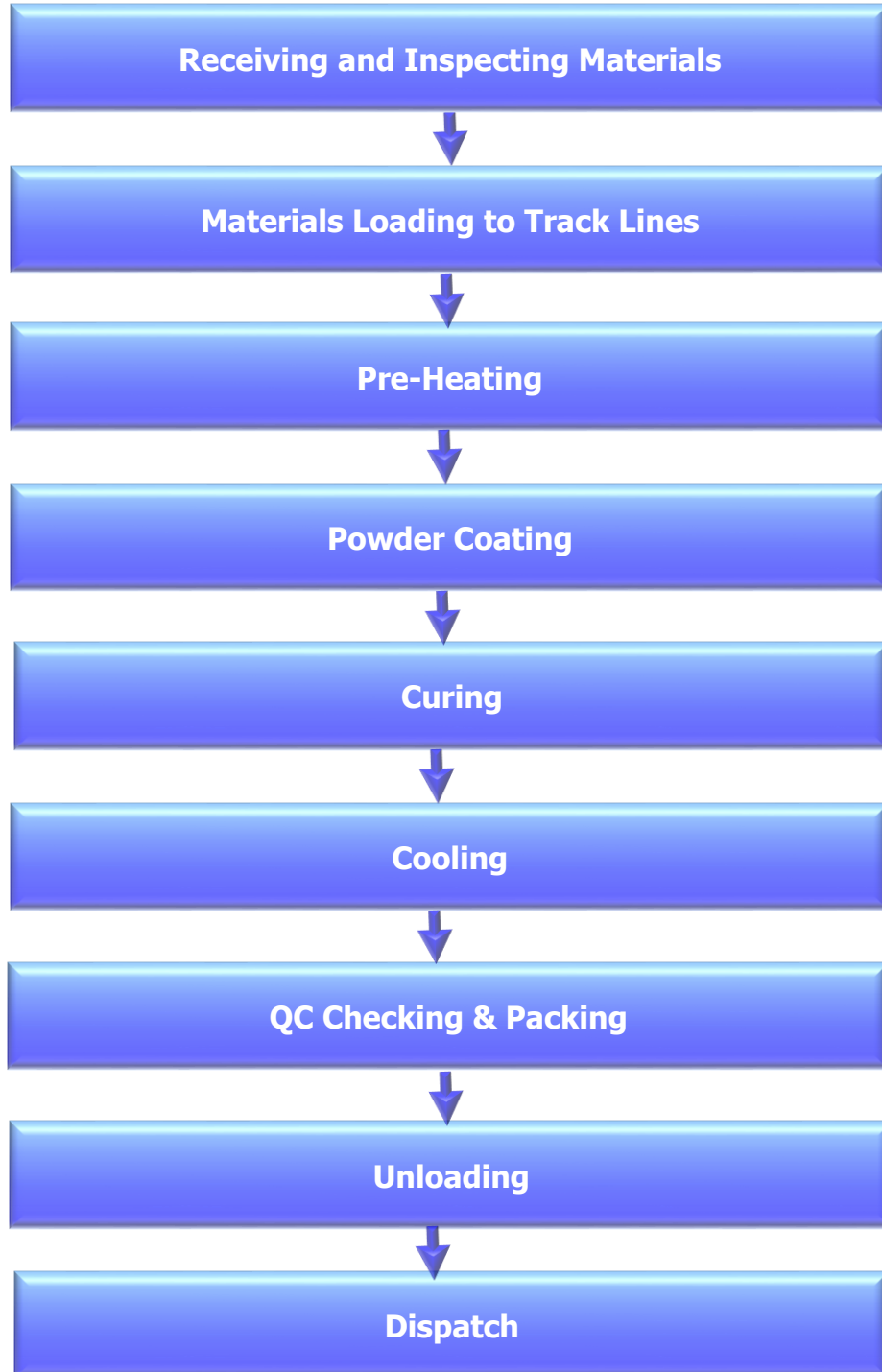
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A typical flow chart for the powder coating process in Mild Steel (MS), Galvanised Iron (GI) and Stainless Steel (SS) is as shown below.





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1. Receiving and Inspection of Materials

Materials are received from customers/clients are inspected for any defects. If any defect is not detected, the list of materials is entered into work schedule and send for loading.

2. Loading of materials

All the materials are properly cleaned and loaded into the jiggling track lines for pre-heating.



3. Pre heating

Materials supplied are often contaminated with oil and other residues which will affect the permanency of the final coating. So they are pre heated. Pre-heating act as a degassing process that will make surface dry and more suitable for powder coating.



4. Powder coating

Objects after undergoing the above said processes are coated with required powder of RAL series in thickness specified by the powder manufacturer. Manual electrostatic gun systems are used to attain very uniform and even coating on object



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surface. The most common way of applying the powder coating to metal objects is to spray the powder using an electrostatic manual gun. The gun imparts a positive electric charge to the powder, which is then sprayed towards the grounded object by mechanical or compressed air spraying and then accelerated toward the work piece by the powerful electrostatic charge. There are a wide variety of spray nozzles available for use in electrostatic coating. The type of nozzle used will depend on the shape of the work piece to be painted and the consistency of the paint. The object is then heated, and the powder melts into a uniform film, and is then cooled to form a hard coating. It is also common to heat the metal first and then spray the powder onto the hot substrate. Preheating can help to achieve a more uniform finish but can also create other problems, such as runs caused by excess powder.

5. Curing

Objects after powder coating are transferred to an 8m long tunnel shaped curing oven having automatic temperature control facilities. Oven temperature is dependant on powder type and object type.

When a thermoset powder is exposed to elevated temperature, it begins to melt, flows out, and then chemically reacts to form a higher molecular weight polymer in a network-like structure. This cure process, called



crosslinking, requires a certain temperature for a certain length of time in order to reach full cure and establish the full film properties for which the material was designed. Normally the powders cure at 200°C (390°F) for 10 minutes. The curing schedule could vary according to the manufacturer's specifications. The application of energy to the product to be cured can be accomplished by convectional curing ovens.

6. Cooling and unloading

The objects coming out of the curing oven are cooled during its course and then unloaded to the offloading stands where its cools to room temperature.

7. QC checks

All the coated objects are visually inspected, checking thickness and gloss of the material.

8. Packing and dispatch

Once objects are checked and tested for quality and after quality assurance from quality controller, they are packed and dispatched to Customers/Clients.

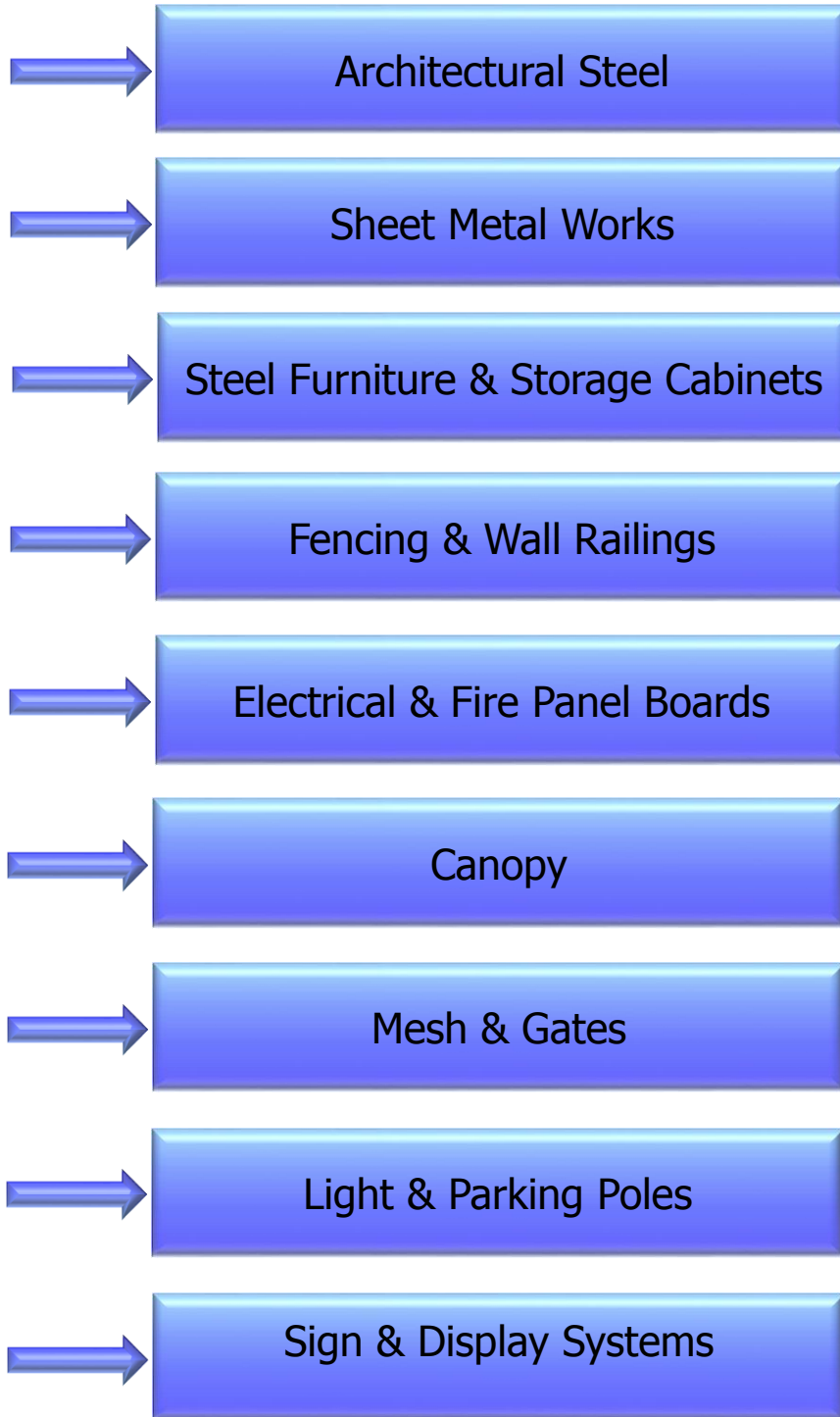




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SERVICES

Electrostatic Powder Coating in Mild Steel (MS), Galvanised Iron (GI) Stainless Steel (SS) and Aluminium includes;



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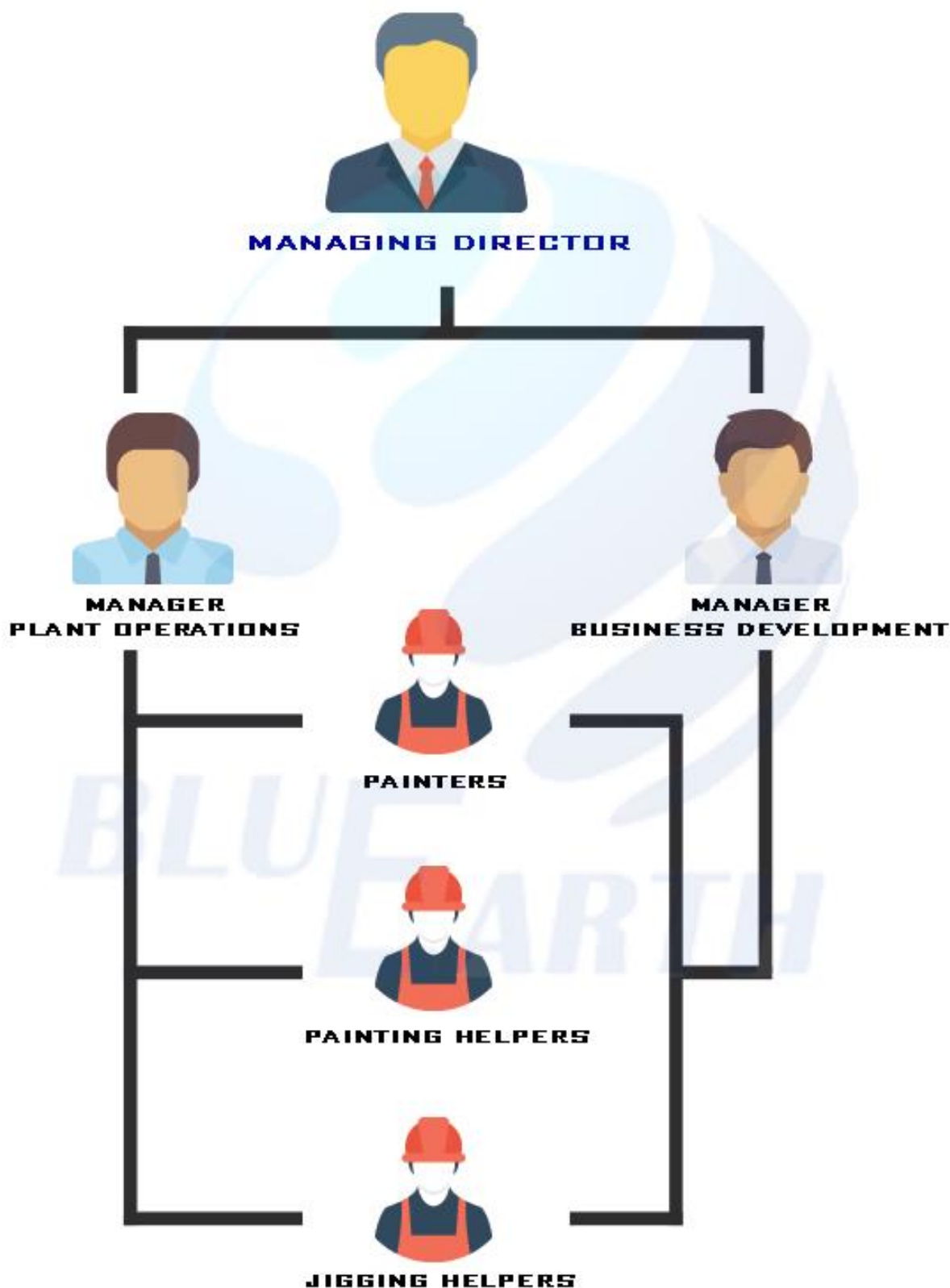
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ORGANISATIONAL FLOW CHART



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TYPICAL COLOUR CHART

RAL COLOR CHART ***** This Chart is to be used as a guide only. Colors May Appear Slightly Different *****

RAL 1000		Green Beige	RAL 4007		Purple Violet	RAL 7008		Khaki Grey
RAL 1001		Beige	RAL 4008		Signal Violet	RAL 7009		Green Grey
RAL 1002		Sand Yellow	RAL 4009		Pastel Violet	RAL 7010		Tarpaulin Grey
RAL 1003		Signal Yellow	RAL 5000		Violet Blue	RAL 7011		Iron Grey
RAL 1004		Golden Yellow	RAL 5001		Green Blue	RAL 7012		Basalt Grey
RAL 1005		Honey Yellow	RAL 5002		Ultramarine Blue	RAL 7013		Brown Grey
RAL 1006		Maize Yellow	RAL 5003		Sapphire Blue	RAL 7015		Slate Grey
RAL 1007		Chrome Yellow	RAL 5004		Black Blue	RAL 7016		Anthracite Grey
RAL 1011		Brown Beige	RAL 5005		Signal Blue	RAL 7021		Black Grey
RAL 1012		Lemon Yellow	RAL 5007		Brilliant Blue	RAL 7022		Umbra Grey
RAL 1013		Oyster White	RAL 5008		Grey Blue	RAL 7023		Concrete Grey
RAL 1014		Ivory	RAL 5009		Azure Blue	RAL 7024		Graphite Grey
RAL 1015		Light Ivory	RAL 5010		Gentian Blue	RAL 7026		Granite Grey
RAL 1016		Sulfur Yellow	RAL 5011		Steel Blue	RAL 7030		Stone Grey
RAL 1017		Saffron Yellow	RAL 5012		Light Blue	RAL 7031		Blue Grey
RAL 1018		Zinc Yellow	RAL 5013		Cobalt Blue	RAL 7032		Pebble Grey
RAL 1019		Grey Beige	RAL 5014		Pigeon Blue	RAL 7033		Cement Grey
RAL 1020		Olive Yellow	RAL 5015		Sky Blue	RAL 7034		Yellow Gre
RAL 1021		Rape Yellow	RAL 5017		Traffic Blue	RAL 7035		Light Grey
RAL 1023		Traffic Yellow	RAL 5018		Turquoise Blue	RAL 7036		Platinum Grey
RAL 1024		Ochre Yellow	RAL 5019		Capri Blue	RAL 7037		Dusty Grey
RAL 1027		Curry	RAL 5020		Ocean Blue	RAL 7038		Agate Grey



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RAL 1028		Melon Yellow	RAL 5021		Water Blue	RAL 7039		Quartz Grey
RAL 1032		Broom Yellow	RAL 5022		Night Blue	RAL 7040		Window Grey
RAL 1033		Dahli Yellow	RAL 5024		Pastel Blue	RAL 7042		Traffic Grey A
RAL 1034		Pastel Yellow	RAL 6000		Patina Green	RAL 7043		Traffic Grey B
RAL 2000		Yellow Orange	RAL 6001		Emerald Green	RAL 7044		Silk Grey
RAL 2001		Red Orange	RAL 6002		Leaf Green	RAL 7045		Telegrey 1
RAL 2002		Vermillion	RAL 6003		Olive Green	RAL 7046		Telegrey 2
RAL 2003		Pastel Orange	RAL 6004		Blue Green	RAL 7047		Telegrey 4
RAL 2004		Pure Orange	RAL 6005		Moss Green	RAL 8000		Green Brown
RAL 2008		Bright Red Orange	RAL 6006		Grey Olive	RAL 8001		Ochre Brown
RAL 2009		Traffic Orange	RAL 6007		Bottle Green	RAL 8002		Signal Brown
RAL 2010		Signal Orange	RAL 6008		Brown Green	RAL 8003		Clay Brown
RAL 2011		Deep Orange	RAL 6009		Fir Green	RAL 8004		Cooper Brown
RAL 2012		Salmon Orange	RAL 6010		Grass Green	RAL 8007		Fawn Brown
RAL 3000		Flame Red	RAL 6011		Reseda Green	RAL 8008		Olive Brown
RAL 3001		Signal Red	RAL 6012		Black Green	RAL 8011		Nut Brown
RAL 3002		Carmine Red	RAL 6013		Reed Green	RAL 8012		Red Brown
RAL 3003		Ruby Red	RAL 6014		Yellow Olive	RAL 8014		Sepia Brown
RAL 3004		Purple Red	RAL 6015		Black Olive	RAL 8015		Chestnut Brown
RAL 3005		Wine Red	RAL 6016		Turquoise Green	RAL 8016		Mahogany Brown
RAL 3007		Black Red	RAL 6017		May Green	RAL 8017		Chocolate Brown
RAL 3009		Oxide Red	RAL 6018		Yellow Green	RAL 8019		Grey Brown
RAL 3011		Brown Red	RAL 6019		Pastel Green	RAL 8022		Black

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							Brown	
RAL 3012		Beige Red	RAL 6020		Chrome Green	RAL 8023		Orange Brown
RAL 3013		Tomato Red	RAL 6021		Pale Green	RAL 8024		Beige Brown
RAL 3014		Antique Pink	RAL 6022		Olive Drab	RAL 8025		Pale Brown
RAL 3015		Light Pink	RAL 6024		Traffic Green	RAL 8028		Terra Brown
RAL 3016		Coral Red	RAL 6025		Fern Green	RAL 9001		Cream
RAL 3017		Rose	RAL 6026		Opal Green	RAL 9002		Grey White
RAL 3018		Strawberry Red	RAL 6027		Light Green	RAL 9003		Signal White
RAL 3020		Traffic Red	RAL 6028		Pine Green	RAL 9004		Signal Black
RAL 3022		Salmon Pink	RAL 6029		Mint Green	RAL 9005		Jet Black
RAL 3027		Raspberry Red	RAL 6032		Signal Green	RAL 9006		White Aluminium
RAL 3031		Orient Red	RAL 7000		Squirrel Grey	RAL 9007		Grey Aluminium
RAL 4001		Red Lilac	RAL 7001		Silver Grey	RAL 9010		Pure White
RAL 4002		Red Violet	RAL 7002		Olive Grey	RAL 9011		Graphite Black
RAL 4003		Heather Violet	RAL 7003		Moss Grey	RAL 9016		Traffic White
RAL 4004		Claret Violet	RAL 7004		Signal Grey	RAL 9017		Traffic Black
RAL 4005		Blue Lilac	RAL 7005		Mouse Grey	RAL 9018		Papyrus White
RAL 4006		Traffic Purple	RAL 7006		Beige Grey			



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CONTACT US

Why Blue Earth Metal Coating L.L.C.

- Professional Attention to all our Customer needs
- Highly Reliable & Cost Effective
- Leading Provider of Powder Coating Services in UAE
- Extensive experienced employees in Middle East & India
- One of the biggest batch oven in UAE with dimension of 8m x 3m x 3m
- Extensive colour range & quality finish in matt, gloss, metallic & texture
- Experts in Powder Coating Industry & Complete solution for Powder Coating Services

Our working hours are:

- 24 Hours from Saturday to Thursday (Except Ramadan Month)
- We are closed on Fridays & Public Holidays

We will be happy to discuss the possibilities of working with you. Please do not hesitate to contact us.



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