

Al Khaleej Metal Coat L.L.C.

A REPUTED NAME IN COIL COATING

Al Khaleej Metal Coat L.L.C. (AKMC) was formed in 1995 in Dubai, UAE with the basic objective of meeting the increasing demands of **PREPAINTED ALUMINIUM AND STEEL COILS** in the region and exports to various countries worldwide. An innovative policy and important investments have allowed AKMC to develop into one of the most advanced Aluminum coil coaters in the area. Technological improvements and regular increase of capacity have allowed us to keep up with the growing demands and raise our output from 3 million square meters in 1995 to 5 million square meters.

Today, the name of Al Khaleej Metal Coat stands as a reference in terms of quality, flexibility and variety of products. Thanks to our top quality PU/PA structural coating and polyester high gloss applications, we have become one of the Middle East's most important suppliers of coil coated aluminium strips for the production of **FALSE CEILING SUSPENDED SYSTEMS, WINDOW ROLLING SHUTTERS, AWNINGS AND CLADDINGS, ETC.**

Al Khaleej Metal Coat L.L.C. (AKMC) is a joint venture between Metalcolor S.A, Switzerland and Juma Al Majid Est., Dubai. Metalcolor is a premium coating line in Europe and has been in the coil coating business for more than a decade. Metalcolor is a part of Comcraft Group, who have many industrial establishments worldwide. Juma Al Majid Est. is a leading Dubai based group with long experience in diversified industrial activities and trading in UAE.

In a short span of time Al Khaleej Metal Coat with its state-of-the-art coil coating technology has been successful in catering to its various customers worldwide.

The dedicated set up of our production plant and its unique computerised color mixing system has given us an edge over our competitors with the following distinct advantages:

- Limitless choice of colors
- Small quantity
- Short delivery time
- Endless coating range
- Special coatings

Further to stress, Al Khaleej Metal coat's production facilities complies to E.C.C.A and other international standards, to ensure that the customer receives the right quality of products at all times. Significant investments have been made in our modern laboratory, which allows us to monitor quality and consistency of the product. Not a company to rest on its laurels, Al Khaleej Metal Coat has gone ahead with vertical integration and expanded its business activities in the field of Sectional Overhead Doors, Rolling Shutters, etc. under the Brand name '**HI-TECH DOORS**'.

Continuous improvements of quality to cover the needs of today's industry is our main aim. However, what drives AKMC forward is its team of highly qualified, experienced and motivated professionals, whose technical expertise is regularly updated by training courses.

AKMC coated coils aren't just better They're a lot better

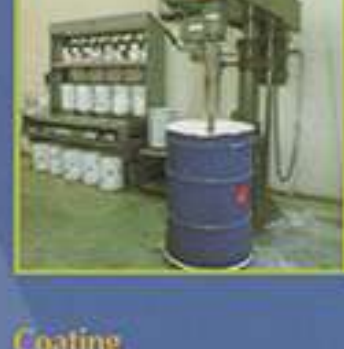


Raw Material

The selection of basic raw material such as mill finish aluminium coils, pretreatment chemicals and paints play an important role in determining the suitability of the product for its end uses. Hence, only the very best raw materials are sourced from reputed suppliers worldwide. Detailed incoming inspection is carried out for its conformity to the international standards.

Pretreatment

Raw materials undergoes degreasing and no rinse chromating, to enhance and ensure better corrosion and adhesion properties.



Tinting

In our pursuit of serving the small or big needs of the customers in any colors, modern tinting facilities including color spectrometer and paint mixing system are included in our production facilities. This whole system is supported by specially formulated paint software.

Coating

Continuous reverse roller coating with many possibilities - Same color on both sides, different colors on each side. One side colored and other side lacquered, and wood imitation printing in various colors.



Slitting

Coils are slitted to close tolerances in tension wound and square built - up without affecting the flatness of the strip.

Quality Control

Quality / quality assurance activity starts from raw material and goes beyond despatch. Our laboratory is equipped with adequate testing facilities, and control equipments which allows us to monitor and deliver consistent and reliable product quality. All necessary tests are carried out in accordance with ECCA or JIS standards.



Packing

Finished goods are placed on timber pallets with eye-to-sky, stretch wrapped with an internal corrugated ply support. The coils are secured to the pallet with a high strength polyester strapping to prevent any transit damage.



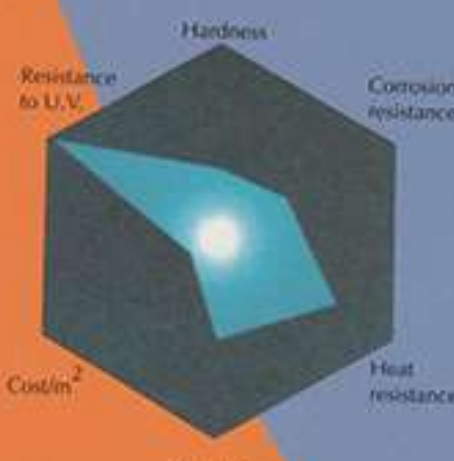
AKMC'S Paint System - Uncompromising quality

Today's demand is for new systems offering improvements in protection and performance, while meeting the needs of environmental legislation. In this situation, no one is prepared to wait for long term natural weathering test to prove the quality. This is why AKMC has associated itself with a leading European paint manufacturing company who has long years of experience and is an asset to us. Our paint manufacturer's tests in Florida and elsewhere offer powerful confirmation of the level of quality shown in the diagram below:-

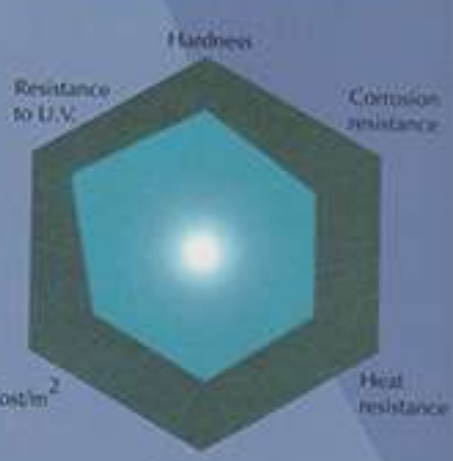
Polyester



P.V.D.F.



High Durable Polyester



The above will be helpful to look at the profile of the range of coatings in the form of hexagonal diagrams, where each of the six points of the hexagon represents the performance scale for one particular property.

FLEXIBLE AND INNOVATIVE

With our Coil Coating line operating at a thickness of 0.27 to 0.80 mm and a maximum width of 695 mm, we are able to produce both large and very small quantities. The unique set up of our production plant as well as close cooperation and partnership allows us to produce custom-built products at short notice.

Material Details

Alloy : 3004, 3005, 3105, 5005, 5050 or any other on request.
Temper : H48, H46, H32 ... etc

Chemical Composition : As per A.S.T.M. B209
Mechanical Properties : As per A.S.T.M. B209

Coil Dimensions

Coil I.D. : 408 or 508 mm
Coil O.D. : *Max. 1100 mm
Pack Mass : Max. 2000 kgs.
Thickness Range : 0.27 mm to 0.80 mm
Width Range : 20 mm To 695 mm

*Upgradation is in the pipeline to deliver coils with higher O.D.

Type Of Coatings

- Polyester - Interior False Ceiling
- High-Durable Polyester - Awnings and other exterior application.
- Plain PU/PA and Wood Grain imitation PU/PA - Rolling Shutters
- PVDF and Special Fluoro Polymer Exterior Coatings
- Mirror Finish, Pretty line, Sparkling Metallic and many more - Decorative Finish
- Easy Clean non-stick coating - Bakeware

Test Standard as per E.C.C.A.	Polyester Coated Coils for False Ceiling application	High Durable Polyester coated coils for Awning and Exterior Applications	Polyurethane Coated Coils for Roller Shutter Applications
Type of Paint	Polyester	High Durable Polyester with Primer	Polyurethane Polyamide
Coating Thickness (top)	20 microns ±2	25 microns ±2	22 microns ±2
Coating Thickness (bottom)	5 micron ±2	5 micron ±2	5 micron ±2
Gloss at 60	10 to 90%	10 to 80%	20 to 35%
Pencil Hardness	F-H	F-H	F-H
Impact (kg. cm.)	32	32	32
Ericksen (mm)	5	5	5
Cross Hatch	100%	100%	100%
Radius Bend	2T	2T	1T
Solvent Resistance	100	100	100
Humidity	Good	Excellent	Excellent
Salt Spray	Good	Excellent	Excellent
Abrasion Test	Good	Good	Excellent

Above are the standard specifications, special requirements can be supplied on request

Few of the End Applications . . .



Tiles



Ceiling Panels



Open Cell



Easy Clean Non-Stick Bakeware



Awnings



Appliances



Rolling Shutters



Claddings, Facia, etc.



Rolling Shutters

For any business enquiries and technical information, please contact our Marketing Dept. at the following address:

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