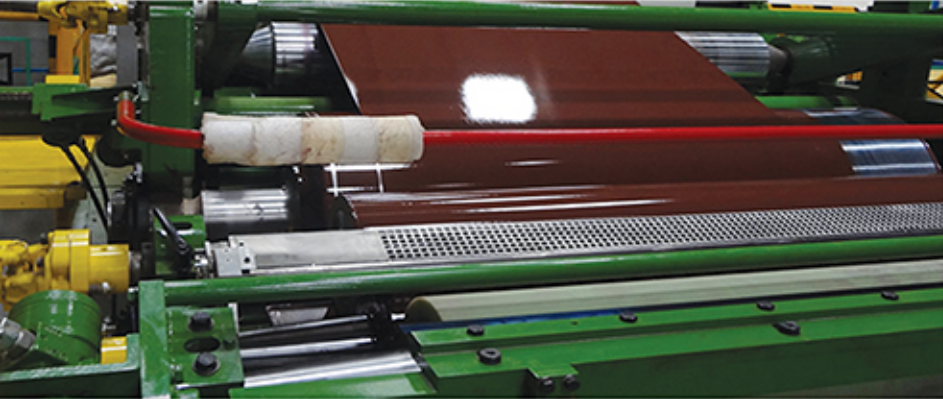




COIL COATING CATALOG OF TUKA PAINT CO.



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Tuka Foolad Investment Company(PLC)

Hereinafter referred to as TUKA was founded in 1988 with the goals of attracting, directing, and running of capital investment. TUKA entered Iran stock exchange market in 2001 and has managed to succeed more than anticipated in a manner that after a few years, the effect of growth and development reflected in value move up for TUKA share.

TUKA was initially established in order to provide required logistics to steel manufacturing companies particularly Mobarakeh Steel Company (MSC) and has been honored to obtain customer satisfaction by flourishing accomplishment of awarded projects.

Due to winning execution and management of numerous high technology projects such as Continuous Casting Machine, car-damper for both MSC and SABA. Galvanizing and coil coating project, etc. TUKA can be recognized and trusted as a reliable business alliance for investment and project implementation. In addition there are 27 professional subsidiary and affiliated companies which are serving industries within country and abroad in 5 main categories as following:

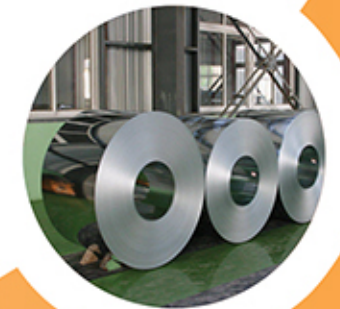
TUKA FOOLAD INVESTMENT COMPANY(PLC)



Transportation | Rail transportation, land transportation, terminal handling, forwarding services, etc.

Contracting | EPC solutions for industrial projects, reinforced concrete foundation, steel structure and recruitment on demand of industrial projects and plants, personnel transportation and accommodation, etc.

Production | Refractory products, refractory laying, installation and repair steel, rubber roller, coil coating paints, roll cladding and special welding, galvanized steel manufacturing, wear resistant grinding balls, fire resistance casting parts, calcimined dolomite, etc.



Trading | Supply of steel scrap and other raw materials for steel making plants, import and export of steel products, distribution centers and service centers for sheet shearing, slitting, cutting, and bending.

Financial & Stock Exchange | Stock portfolio trading in stock market and providing other services relevant to stock share affairs. Today with more than 21,000 individual shareholders all around the world. TUKA has obtained authorization and is processing capital increase exceeding 110 million USD in order to go on with progress read map based on his strategic approach. In this regard TUKA has newly updated his strategic plan by determining mission, vision and company values timely manner to restore his position as 75th in 100 Iranian large volume companies as per IMI 100 in order to assure achievement of propound goals in benefit of the society, customers and shareholders as well.

TUKA PAINT FOOLAD SEPAHAN CO. (PLC)

Tuka Paint Foolad Sepahan Company. (PLC)

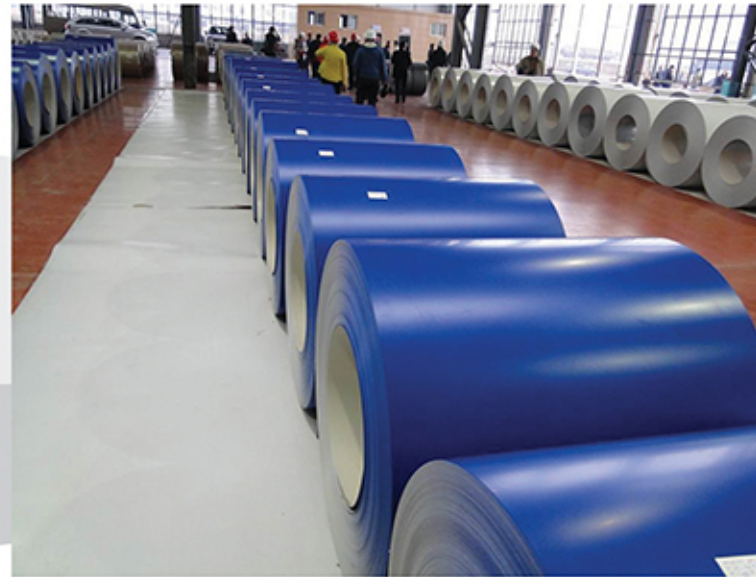
Hereinafter referred to as TUKA PAINT was founded in 2006 in an area of 12,000 m², the 8,000 m² of which is for production shop, inventory, and administrative office. Quality control laboratory of TUKA PAINT is one of the most streamlined laboratories in paint making industry which helped trained human resources and technicians to make best use of raw materials and first class high technology equipment in order to develop required formulations for paint and coatings.

Current normal annual production of TUKA PAINT is 10,000 MT which has the capability to move up to 15,000 MT based on customer demand and order. TUKA PAINT production has been successfully used in MSC (the biggest steel maker in Iran) since 2006 in coil coating lines as pilot plan and since then TUKA PAINT has had the honor and opportunity of supplying the best quality of paint and coating for MSC.

Tuka Paint company has also been accepted in stock market of Iran and has stock portfolio trading in stock market and is providing other services relevant to stock share affairs. Now Tuka paint foolad sepehan company (PLC) is known as the biggest coil coating paints manufacturer in Iran, which supplies more than 50% of coil coating paint need of Iran.



Coil Coating



TUKA PAINT TOP COATS



The Coil Coating method is a continuous lacquering process that consists in coating a coil of metal, cold rolled steel, hot dip galvanizing, normally steel or aluminum, with liquid paint applied with rollers.

After a process, which includes cleaning and chemical conversion of the metal, application of the paint and its curing, the result is pre-coated metal. This pre-coated metal is a high quality product manufactured under strict quality control.

You can find more information on this process, its applications and products by visiting www.prepaintedmetal.eu of the European Coil Coating Association (ECCA).

Coil coating paint is classified in three main groups:

- Top coat
- Prime coat
- Back coat



Top Coats

We offer different quality products depending on the final use. We manufacture a wide range of colors and gloss ranges, as well as in metallic systems, mother-of-pearl effect systems. The different qualities described below:

Tuka paint popular top coats

- Regular Modified Polyester coating
- Polyurethane
- Single Coat:
 - A finish with non-stick properties for registration plates. Generally applied to aluminum without primer. (Interior)
- Extradurable (VHP)
 - A super durable polyester in a smooth finish with high outdoor and dirt pick-up resistance, maintaining color and gloss in time. Can be applied to aluminum, steel and galvanized steel, with (or without) primer.
- Polyurethane top coat for direct application onto aluminum, steel and galvanized steel producing a special chrome-type effect.
- Normal Polyester
 - Base Coats and Clear Coats
 - PE or PUR Base Coat
 - Colored base coats in polyester or polyurethane for two-layer systems with high outdoor resistance. In metallic base coats, the top coat varnish protects the aluminum particles, offering greater outdoor durability. They can be applied to aluminum, steel and galvanized steel.

TUKA PAINT



Tuka Paint Special Top Coats

- Pearlcent & metallic
- Thermal paint
- FEVE
- White Board Paint
- PE and PUR for Home Appliances

- **Textured finish**

Textured top coat finishes with well-balanced properties, good outdoor resistance and a high abrasion resistance. Can be applied to aluminum, steel and galvanized steel, with or without primer.

- **Anti-reflective coating (neo mat, Salform wrinkled matt finishes for roofing)**

A very low gloss anti-reflective or texture matt coating especially suited to roofing. A range of texture effects is available in this weather-resistant product. Available in polyester as well as polyurethane.

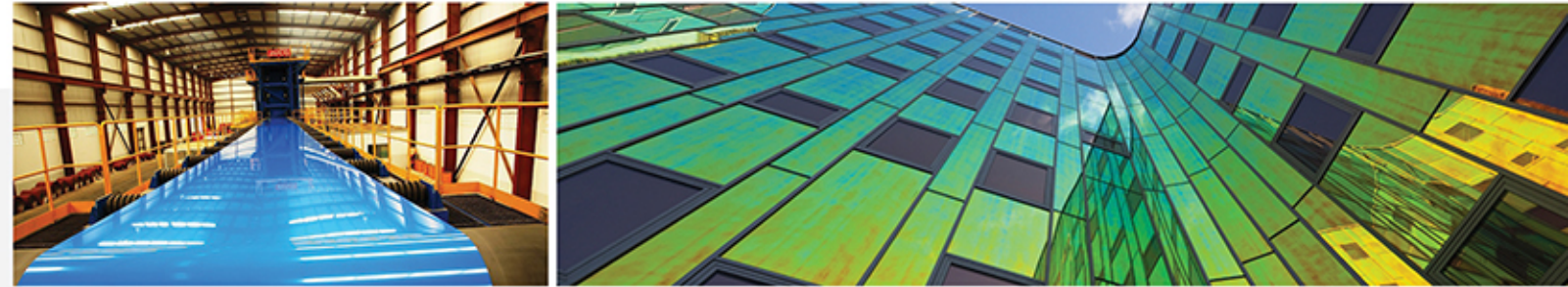
- **UV durability coating**

This system is based on a soluble fluorocarbon resin offering outstanding UV durability. It is available in a wide range of gloss levels and unique colors. This top coat is mainly used in prestigious applications.

- **Anti-scratch coating**

A highly scratch and mar resistant structured topcoat incorporating polyamide.

TUKA PAINT BACK COATS



TUKA PAINT PRIME COATS

Tuka paint back coats

We offer a wide range of back coats for different uses and substrates. These products are designed to protect the back side of the substrate from corrosion and abrasion. They offer good adhesion to conventional polyurethane foam and can be applied to aluminum, steel and galvanized steel for sandwich panel composite.



Primers

We offer a wide range of primers for multiple substrates and topcoats. Among the main characteristics of these products are their high resistance to corrosion and their exceptional adherence both to the substrate they were designed to cover as well as subsequent coatings.

We have universal or specific primers for non-standard finishes or applications, and with different chemical compositions: polyester, polyurethane, epoxy, etc. We also offer high build primers for colors not achievable with conventional products.

Tuka paint offers a full range of primers- both chromated and chromate-free, special and universal, for cold rolled steel, hot dip galvanizing steel, and aluminum substrates, for building, appliances, and industrial end uses. The systems in the Tuka paint series include epoxy and polyurethane in addition to the popular polyester series.

Epoxy, epoxyester, polyester, and polyurethane back coats are offered for all situations. Formulations are available giving adhesion to insulation foams, make it anti-pressure, anti-coil collapsing and anti-fretting properties. Products are available for use with or without primers.



Near Future

- Polyurethane polyamide top coats for aluminum coaters
- Base coats and adhesives for composite colaminated coils (PVC, PP, PET, PE) for industrial uses.
- Special inks for all industries
- PUR Superglass
- Anti Bacterial Coatings
- Special Home Appliances
- Weldable Primer for Automotive Industry



STANDARDS

Tuka paint follows stringent quality standards in accordance with ISO 9001 and ECCA. Tuka paint has a modern in-house laboratory to conduct all necessary mechanical and Paint Tests such as:

- Ericson Cupping Test
- Impact Test
- Cross Hatch Test
- Color Cabinet Test
- Boiling Water Temp Test
- Taber Abrasion Testing
- Pencil Hardness Testing
- Bend Test
- Scratch Resistance
- Spectrum Meter
- Data color software
- Gloss Meter
- and soon.

Tuka paint conducts long terms tests such as Salt Spray, Humidity, UV Weather Testing and to ensure long term properties of the products supplied to the customers.

Applications

- Building
- Home appliances
- Lighting industries
- Roofing & Claddings
- Interior ceilings
- Facade & Awnings
- Cold storage
- Rolling shutters
- Instruments



All Quality Control (QC) activities are carried out in accordance with ISO standards and rules of the authorities and International standards such as ASTM (American Standard), BS (British standard), EN standard (ECCA), and ISO safety regulations and company policies.

Tuka Paint Customer Services

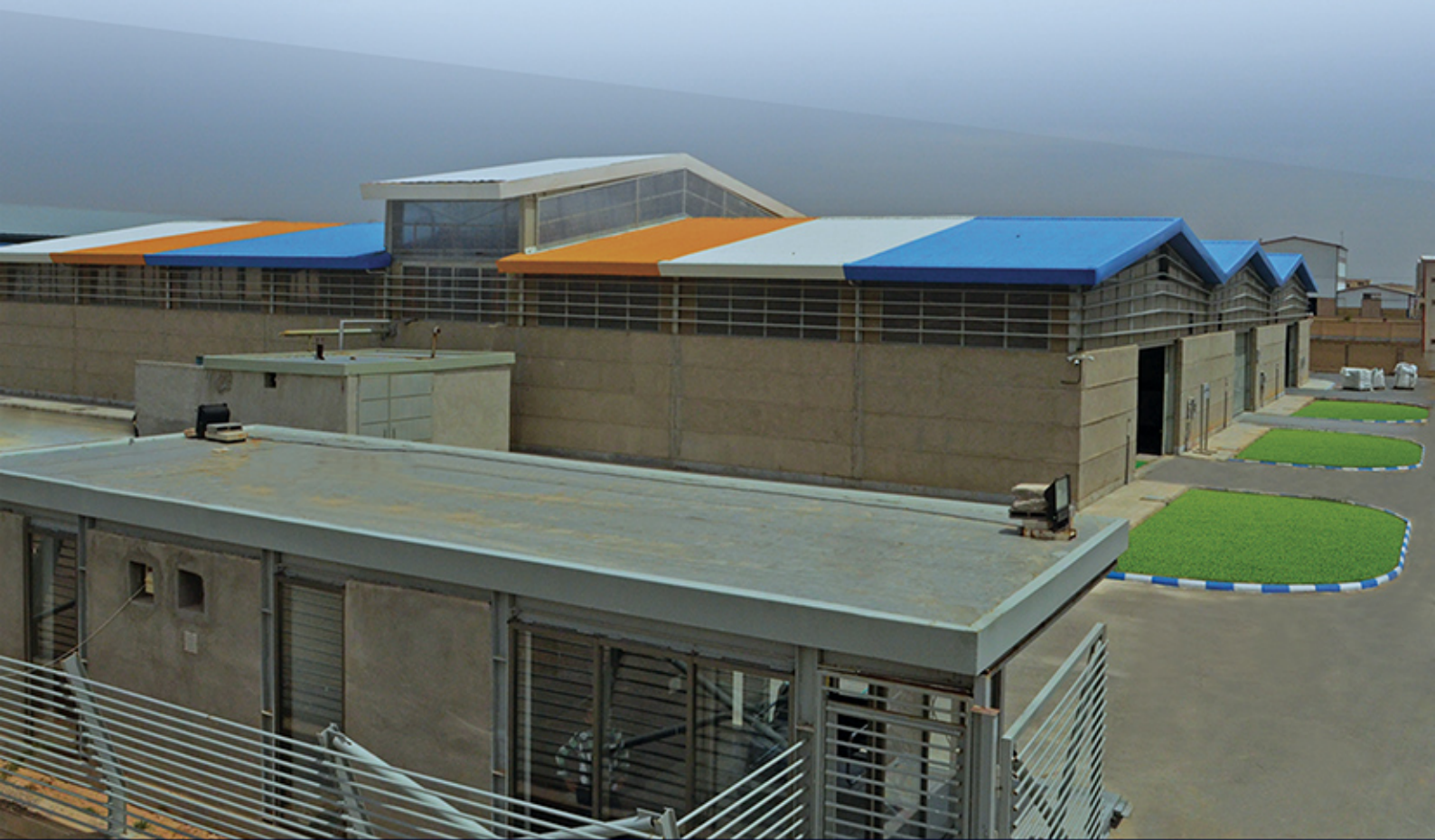
We offer many services to our coil coating customers. Among these, some of the most notable are:

Continued research to improve the performance and durability of every coating system we manufacture.

The best and unique color standards program that virtually guarantees batch to batch color consistency over the long haul as well as extremely accurate and timely matches for custom colors.

Our fast and high technology equipment is absolutely the way to make sure your products arrive on time every time.

If you would like to learn more about the many other services we offer to support our customers, as well as the industry, feel free to contact us. We will be happy to provide answers and offer solutions to any coil coating issues you might have.



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