



**SABA SHIMI ARYA**



- Architectural Paints
- Road Markings
- Protective Coatings



# Paint Producer

Architectural Paints / Road Markings / Protective Coatings





Introduction	1
Architectural Paints	2
Road Markings	6
Industrial Paints & Coatings	12



**SABA SHIMI ARYA**


Paint Producer



**MANDEGAR**  
Road Markings



[www.sabashimi.com](http://www.sabashimi.com)

 (+9821)-74039000

## Vision and Mission

It is over a decade that we have taken steps in the paint industry relying on the sustainable quality and respecting the beneficiaries. We are determined to become a scientific pole in paint industry in Iran to provide an atmosphere where specialists and experts in this domain are proud of cooperating with Saba Shimi Arya.

We have set our vision based on the conservation and protection of lives and quality improvement. We have manufactured high quality Road Marking Materials to organize urban and road traffic, for Industrial Coating to protect installations and factories, and for Architectural Paint to beautify buildings.

## Company

Saba Shimi Arya (private equity) was established in 2004 by a Group of graduates of Amirkabir University of Technology (Tehran Polytechnic). It began producing various types of paints and polymers including different types of paints and industrial coatings. Having experienced and knowledgeable staff, and having a history and experience in applying Road Marking Materials, industrial Coatings and architectural paints are among strong points of the company.

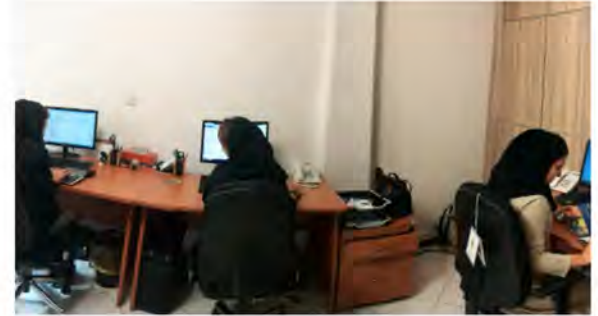
We are working under the title of MANDEGAR in Road Markings in order to organize urban and road traffic, and, we have achieved an annual production of 40,000 tons of paint, 10,000 km Thermoplastic Road Markings, 20,000 km cold marking paint, and 500,000 m<sup>2</sup> manual making. We work under the title of LETO for architectural paints to beautify and cover the indoor and outdoor surfaces of the buildings in order to make a more beautiful city, and we produce high-quality products with an annual capacity of 14,000 tons of assorted paints. In addition, we produce industrial Coating under the Title of SABA for all Protective Coverings and anti-corrosives in Oil, Gas and petrochemical industry, and in the production of industrial floor coatings to beautify the surfaces and to create more resistant cement surfaces in the factories and parkings and to facilitate cleaning of the hospitals, warehouses and food and medicinal production halls.

## Factory

The production unit of Saba Shimi Arya provides noticeably great differences for the customers in terms of servicing and quality compared to the partner companies by having experienced and specialized staff. In addition, it could customize the products according to the quality and prices ordered by the customers to attract their attention.

## Research and Laboratory

Continuous research and applied studies in the research department of Saba Shimi Arya have made the company to be always equipped with the latest technologies in paint and coating, and it even provides services for some partner companies.





**SABA SHIMI ARYA**

[www.sabashimi.com](http://www.sabashimi.com)



# Architectural Paints

## Water-Based Acrylic Paints

LETO acrylic paint is produced using the best water-base acrylic resins, and, it is used for fast, beautiful and durable painting of interior and exterior surfaces, namely plaster, cement, concrete, brick, cement composition panels, wood.

Washability, excellent coatability, high drying rate, ease of use and water-thinnable, lack of odor and dust absorption, resistance to abrasion, sunlight and ultraviolet light, and environmentally friendly. This paint contains the following types:

- Gloss Acrylic paint
- Semi-Gloss Acrylic paint
- Matt Acrylic paint
- Acrylic primer (LETO Primin)
- Acrylic facade paint
- Acrylic texture paint

**Color:** white (could be prepared in different colors)

**Theoretical covering:**

Acrylic Interior Paint: 9-11 m<sup>2</sup>/L

Acrylic Facade Paint 3-4 m<sup>2</sup>/L

Texture Paint: 1-1.5 m<sup>2</sup>/L

**Surface drying time:** maximum 1 h

**Time to apply the next layer:** minimum 3 h

### Directions:

Rinse the surface with water to remove dust. Clean off any contaminants, oil and even old paint from the surface before painting it. Apply waterjet solution for cement surfaces, and before applying the paint, make sure the surface is dried out completely. Use acrylic sealer to give a smooth surface if required. Mix LETO acrylic paint (except acrylic texture paint) with sufficient water and apply it on the surface (water to paint ratio is 15-20% for brush, 10-15% for roller and 20-25% for airless spray based on weight percentage). Water to paint ratio for texture paints is 5% for rollers.

### Cardboard Box Packaging:

Gallon (4×1), 2.5 Gallons, 5 Gallons



## Water-Based Vinyl Emulsion Paint

LETO matt Vinyl Emulsion Paint is produced based on polyvinyl acetate resin. It is used for indoor surfaces (plaster, cement, concrete, cement composition panels and wood).

Among advantages of this paint are its excellent coatability, fast drying, good brushability, water-thinnable, perfect adhesiveness, easy application, lack of odor and being environmentally friendly. This paint contains the following types:

- LETO matt full-Vinyl emulsion paint
- LETO LUXE matt semi-vinyl emulsion paint
- LETO MAX matt semi-vinyl emulsion paint
- Textured emulsion paint

**Color:** white (could be prepared in different Colors)

**Theoretical covering:** 8-10 m<sup>2</sup>/L

**Surface drying time:** maximum 1 h

**Time to apply the next layer:** minimum 3 h

### Directions:

Before painting, remove loose parts, opening cracks and shelled paint to make the surface ready for painting. Then, if required, smooth the surface using plaster or primer, and then apply sanding. The surface should be cleaned off contamination, dust or oil before being painted. Then, gradually mix LETO Vinyl emulsion paint with sufficient water and apply it on the surface (water to paint ratio is 25-30% for brush, 5-10% for roller and 35-40% for airless spray based on weight percentage).

### Cardboard Box Packaging:

Gallon (4×1), 2.5 Gallons, 5 Gallons



# Architectural Paints

## Alkyd Paint

Alkyd resin-based paint is produced based on the latest formulation available in the paint industry. It has a good drying time, gloss, adhesion and coatability with great durability against climatic conditions and compatibility with different weathers. This paint covers the following types:

- Gloss Alkyd Paint
- Semi-gloss Alkyd Paint
- Matt Alkyd Paint
- Alkyd Primer

**Color:** Prepared in different Color

### Technical details:

**Theoretical covering:** 10-11 m<sup>2</sup>/L

**Surface drying time:** maximum 4 h

**Time to apply the next layer:** minimum 16 h

**Flashpoint:** 38 °C

### Directions:

First, clean off any oil, dust, rust and other contaminations from the surface. Cover the surface with primer or suitable Alkyd Primer to give a smooth surface if required. Shake the paint well, and then, thin it to the intended concentration using oil thinner. Then, apply it by a brush, roller or airless spray (thinner ratio is 15-20% for brush, 10-15% for roller and 20-25% for airless spray based on weight percentage).

### Cardboard Box Packaging:

Quarter (25×1), Quart (12×1), 5 Gallons (1×1)



## Alkyd Antirust Primer

Alkyd resin-based antirust paint is produced using the best abrasion-resistant materials. It is applied as the primer on metal surfaces or the alike, which is of good adhesiveness and durability. The product has good drying time, durability, coatability and adhesiveness, and it is resistant against corrosion, abrasion and climatic factors.

**Color:** Ocher, Gray, Blue, Green (Could be Prepared in different colors)

### Technical Details:

**Theoretical covering:** 9-11 m<sup>2</sup>/L

**Surface drying time:** maximum 4 h

**Time to apply the next layer:** minimum 16 h

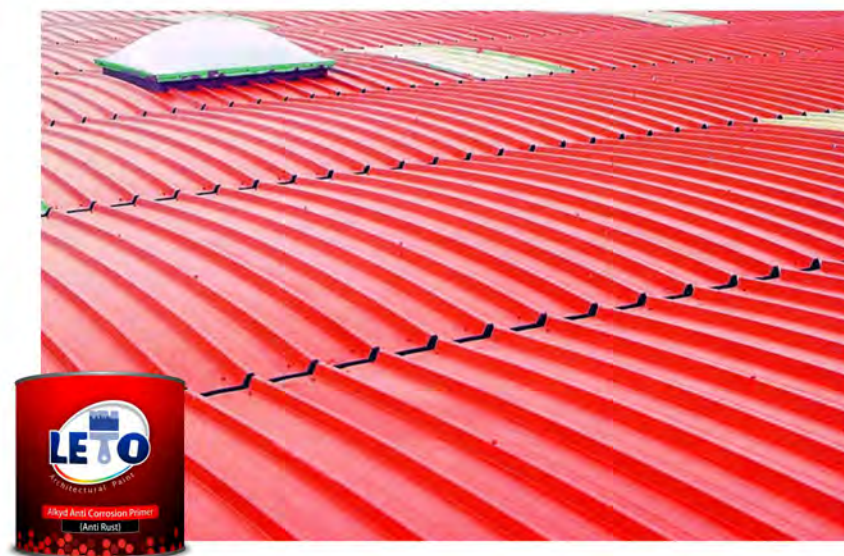
**Flashpoint:** 38 °C

### Directions:

First, clean off any oil, dust, rust and other contaminations (sanding sealer or sandblasting is recommended to remove the old paint, rust and for better adhesiveness). Then, shake the can well and thin it to the intended concentration using oil thinner and apply it using a brush, roller or airless spray (thinner ratio is 12-15% for brush, 10-12% for roller and 15-20% for airless spray based on weight percentage)

### Cardboard Box Packaging:

Quart (12×1), Gallon (4×1), 5 Gallons (1×1)





# Architectural Paints

## Gloss Alkyd Varnish

This lacquer is recommended to be applied on all indoor wood surfaces including furniture, cabinets, doors and the alike. The lacquer exhibits good drying time and good resistance to abrasion. In addition, it has perfect adhesiveness, which prevents air penetration into the topcoat.

**Color:** Transparent

### Technical Details:

**Theoretical covering:** 15-14 m<sup>2</sup>/L

**Surface drying time:** maximum 4 h

**Time to apply the next layer:** minimum 16 h

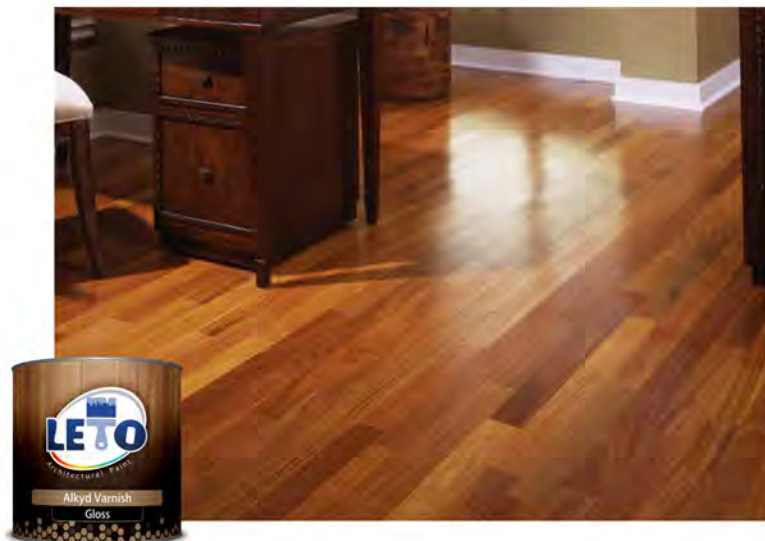
**Flashpoint:** 38 °C

### Directions:

First, clean off any oil, dust, rust and other contaminations from the surface. Old shelled paint should be removed to obtain a smooth surface. If required, use sanding or a brush to remove old shelled paint. Then, mix the paint and thin it to the intended concentration using oil thinner. Then, apply it by a brush, roller or airless spray (thinner to paint ratio is 30-35% for brush, 20-25% for roller and 45-50% for airless spray).

### Cardboard Box Packaging:

Quarter (25×1), Quart (12×1), Gallon (4×1), 5 Gallons (1×1)



## Swimming Pool Paint

Swimming pool paint is an acrylic resin-based water-resistant and fast drying paint, which has a good resistance to stroke and abrasion in addition to its high adhesiveness on concrete, brick and cement surfaces. This is recommended to paint swimming pools and freshwater tanks. Among properties of this product are their resistance to aqueous environments, good drying time, and perfect coatability, resistance to abrasion, stroke, sunrays and ultraviolet radiation.

**Color:** White-blue (could be prepared in different hues)

### Technical details:

**Theoretical covering:** 9-10 m<sup>2</sup>/L

**Surface drying time:** maximum 1 h

**Time to apply the next layer:** minimum 24 h

**Flashpoint:** 38 °C

### Directions:

First, fill the pool to the capacity and discharge it after 2 weeks to remove all alkali salts from the concrete. Then, clean the surface with a wire brush. Paint should be applied under the sun after full drying. Thin the paint with a good portion of thinner and paint the pool to fill all pores. The next layer is applied the following day. Thinner to paint ratio depends on the ambient temperature, the surface, and the painting tool (thinner to paint ratio is 20-25% for roller and 45-50% for airless spray based on weight percentage).

### Cardboard Box Packaging:

Quart (12×1), Gallon (4×1), 5 Gallons (1×1)





# MANDEGAR

Road Markings



SABA SHIMI ARYA

[www.sabashimi.com](http://www.sabashimi.com)



# Road Marking Materials

## Cold Acrylic Paint/ Alkyd Chlorinated Paint (Solvent-Based)

It is an acrylic thermoplastic resin/alkyd chlorinated-based product used for road marking and drawing horizontal traffic signs. The paint could not be executed in thicknesses more than 700 µm (wet) due to the solvent used in the paint (Percent Solids by Weight at least 70%). When it dries out and the solvent evaporates, a 350 µm (dry) thickness is left considering the weight solid of about 50% (a measure of reduced thickness of the paint when it dries out). Along with this product, to reduce viscosity (to thin the paint), the specialized thinner of Mandegar Road Marking paint could be used (using other thinners is not recommended due to the possibility of incompatibility or a negative effect on the paint durability). It is worth mentioning that alkyd chlorinated resin-based paints are more resistant in hot and humid climates relative to acrylic resin-based paints. This product is recommended for asphalt surfaces with good granularity. For other surfaces like cement, metals, etc. please refer to the experts of Mandegar Paint.



### General Properties

<b>Color of Products:</b>	Typically White and Yellow (Customized According to the Orders)	<b>Drying Time (in 25 °C):</b>	35 - 40 Minutes
<b>Type of Resin:</b>	Thermoplastic Acrylic / Alkyd Chlorinated	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Operational Thickness:</b>	700 µm wet film		Minimum Temperature of 10 °C and Maximum Temperature of 35 °C
<b>Type of Packaging:</b>	20 kg / 250 kg		No Precipitation until 24 Hours After Painting

## Thermoplastic (Spray, Extrusion, Screed)

The product is hydrocarbon resin-based to be used in traffic line marking. The converted form is a mixture of solids including resin granules, pigment powders, fillers and additives. The mixture is applied as melted on asphalt, and a homogeneous film with high viscosity is formed on asphalt.

Of advantages of this product over other thermoplast resin-based paints is that it could form a film of high thickness, with a much longer life span and a much lower drying time (less than five minutes), which is considered to be a cost-effective product for the reverend employers.



### General Properties

<b>Color of Products:</b>	Typically White and Yellow (Customized According to the Orders)	<b>Drying Time (in 25 °C):</b>	5 Minutes
<b>Type of Resin:</b>	Hydrocarbon	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Operational Thickness:</b>	1500 µm - 6000 µm		Minimum Temperature of 10 °C
<b>Type of Packaging:</b>	25 kg Composite Bags		No Precipitation until 24 Hours After Painting

## Cold Plastic 98:2 (Spray - Screed - Machine Applied)

The product is an acrylic resin-based paint used in road line marking and drawing horizontal traffic signs. This paint could be applied in any thickness due to its lack of solvent (Percent Solids by weight of about 98%) which reduces operational costs considering the paint durability.

This product is a two-component paint the major component of which, i.e. A is liquid and component B (hardener) is provided as a white paste for the customers.

This product is recommended for asphalt surfaces with good granularity. For other surfaces like cement, metals, etc. please refer to the experts of Mandegar Paint.



### General Properties

<b>Color of Products:</b>	Typically White and Yellow (Customized According to the Orders)	<b>Drying Time (in 25 °C):</b>	20 - 30 Minutes
<b>Type of Resin:</b>	Acrylic	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Operational Thickness:</b>	400 µm - 3000 µm		Minimum Temperature of 10 °C and Maximum Temperature of 35 °C
<b>Type of Packaging:</b>	25 kg		No Precipitation until 24 Hours After Painting

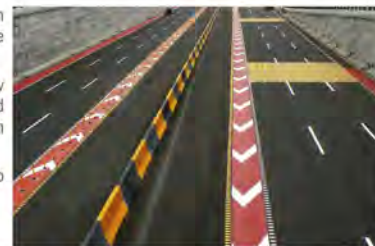
# Road Marking Materials

## Cold Plastic (Two-Component, Three-Component, Hand-Applied)

It is an acrylic resin-based paint used in traffic marking and drawing horizontal traffic signs. This paint could be applied in high thicknesses due to the lack of solvent (Percent Solids by weight of about 98%) which reduces operational costs considering the paint durability.

In three-component paints, there are two components of B and C along with the main component in which component B is a yellow liquid and component C is a white powder or paste. In two-component paints only the component C or the hardener is provided separately for the customers. Considering the reaction occurred in this paint (high-speed radical exothermic reaction), high experience and sufficient skill is required to apply the paint.

This product is recommended for asphalt surfaces with good granularity. For other surfaces like cement, metals, etc. please refer to the experts of Mandegar Paint.



### General Properties

<b>Color of Products:</b>	Typically white and Yellow (Customized According to the Orders)	<b>Drying Time (in 25 °C):</b>	35 - 40 Minutes
<b>Type of Resin:</b>	Acrylic	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Operational Thickness:</b>	2000 µm - 3000 µm		Minimum Temperature of 10 °C and Maximum Temperature of 35 °C
<b>Type of Packaging:</b>	25 kg		No Precipitation until 24 Hours After Painting

## Two-Component Epoxy Adhesive (Cat-Eye Adhesive)

This is an epoxy resin-based product designed to adhere traffic signs and equipment to the asphalt and concrete surfaces. Considering the time limit in applying traffic equipment, low drying time of adhesive is of special importance while providing good mechanical properties. With the special design of this product considering all good mechanical properties, the drying time is reduced significantly and the certificate obtained from Iran Road Maintenance & Transportation Organization of the Ministry of Roads & Urban Development verifies it. Along with the main component (adhesive), another component called hardener, which is a brown liquid, is customized for the customers and in case of being mixed well, they will present good physical and mechanical properties. This product is recommended to be used for asphalt and concrete surfaces. For other surfaces, please refer to the experts of Mandegar Paint.



### General Properties

<b>Color of Products:</b>	Grey	<b>Drying Time (in 25 °C):</b>	30 - 35 Minutes
<b>Type of Resin:</b>	Epoxy	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Volume of Consumption:</b>	100 Grams for Each Cat-Eye		Minimum Temperature of 10 °C and Maximum Temperature of 35 °C
<b>Type of Packaging:</b>	2.5 kg Can		No Precipitation until 24 Hours After Painting

## Alkyd/ Polyurethane Curbing Paint

It is an alkyd resin based/ polyol resin-based and isocyanate hardener designed to paint concrete and steel surfaces. This paint is of good brushability and of acceptable adhesiveness when being applied to concrete and steel surfaces. To reduce viscosity (to delute the paint), the specific Mandegar Alkyd paint thinner/ Mandegar polyurethane thinner could be used. (It is not recommended to use other thinners due to the incompatibility or having a negative effect on paint durability).



### General Properties

<b>Color of Products:</b>	Typically White, Black, Green and Yellow	<b>Drying Time (in 25 °C):</b>	4 - 5 Hours / 6 - 8 Hours
<b>Type of Resin:</b>	Alkyd/ Acrylic Polyol	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Operational Thickness:</b>	120 µm		Minimum Temperature of 10 °C and Maximum Temperature of 35 °C
<b>Type of Packaging:</b>	20 kg		No Precipitation until 24 Hours After Painting



# Road Marking Materials

## Epoxy Mortar Flooring

It is an Epoxy Resin-based product designed for pedestrian crossing paint, bus stops, taxi stands, vibration lines, sloping surfaces, entrance to the tollway, asphalt speed bumps etc.

This paint could be applied in any thickness due to the lack of solvent, which reduces operational costs considering the paint durability.

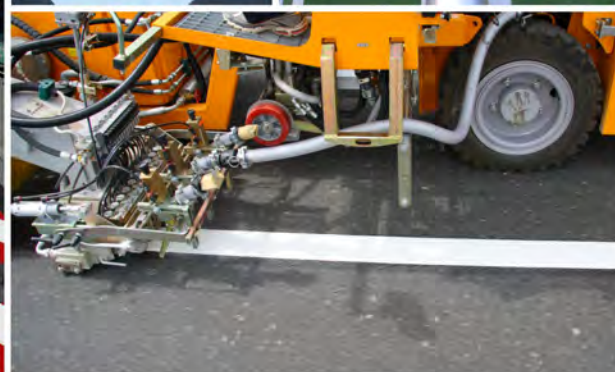
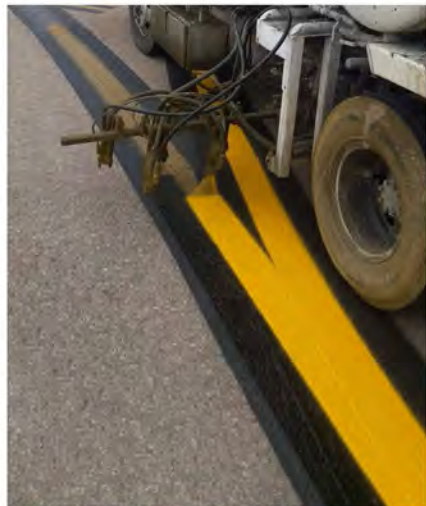
It is provided in five components for the customers. Component A is the polyamine industrial primer presented along with the component B (special hardener). Component C is the polyamine epoxy paint provided along with the hardener, component D, to be mixed with component E, and silica.

This coating, which is fully saturated using silica, creates a highly resistant surface using a highly adhesive formulation. Prominent features of this coating are the assorted coloring, variety of design, and its resistance to sunlight and high radiation.



### General Properties

<b>Color of Products:</b>	Typically Ocher (Customized According to the Orders)	<b>Operational Climate:</b>	Humidity Less than 80%
<b>Type of Resin:</b>	Epoxy		Minimum Temperature of 10 °C and Maximum Temperature of 35 °C
<b>Operational Thickness:</b>	4000 µm and over		No Precipitation until 24 Hours After Painting
<b>Drying Time (in 25 °C):</b>	6 - 8 Hours		



# Road Marking Application Services

## Applying Road Marking (with Solvent base, Cold Plastic and Thermoplastic)

- Continuous, cut-off and extrusion axial marking
- Marking transverse and speed reduction lines, pedestrian and zebra crossing
- Drawing a variety of flash, text and traffic signs
- Drawing a variety of zebra crossing, jachure, crossed boxes and specific surfaces
- Drawing parking spaces, bus stops, taxi stands etc



## Applying Epoxy Mortar Flooring

- Surface of bus stops, taxi stands etc.
- Footbridges coatings
- Transverse vibrating lines
- Coating for sloped surfaces, warehouses, halls and in general, asphalt, metal and concrete surfaces
- Bike lanes, crosswalks etc.
- Beautifying public spaces including parks, terminals, swimming pools etc.



## Applying Asphalt Speed Bumps

- Arc and trapezoidal speed bumps
- Applying epoxy mortar coating on speed bumps to increase resistance of asphalt against stress, high friction and color contrasts
- Applying line marking on speed bumps and drawing warning signs before the speed bump



## Applying Assorted Road Services

- Paint sanding
- Implementing reflectors (cat-eye, tiger-eye, etc.)
- Installing raised pavement markers, delineator posts and rubber speed bumps



## Applying Epoxy and Polyurethane Floor Coatings

- Self-leveling epoxy floor coating
- Garage epoxy floor coating
- Anti-static epoxy floor coating
- Anti dust epoxy floor coating
- Antibacterial epoxy floor coating
- Decorative epoxy floor coating
- Mortar epoxy floor coating
- 3D epoxy floor coating



## Painting Specific Surfaces

- Painting metal and concrete surfaces and structures using epoxy, water-borne and industrial paints
- Painting concrete curbing using air-dry curbing paints



# Marking Machines



Type of Machine:	Thermoplastic Screed Road Marking
Manufacturer:	Borum
Volume of Paint Tank:	400 kg
Date of Build:	2015



Type of Machine:	Thermoplastic Screed Road Marking
Manufacturer:	Winter
Volume of Paint Tank:	1000 kg
Model:	wpte-1000



Type of Machine:	Thermoplastic Preheater
Manufacturer:	Saba Shimi Arya
Volume of Paint Tank:	1000 kg
Date of Build:	2014



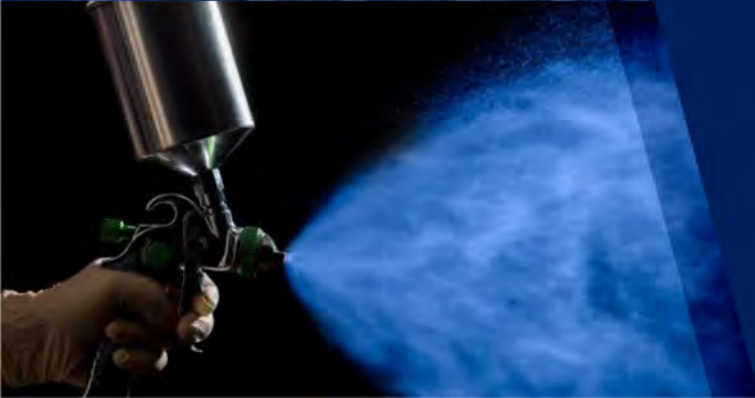
Type of Machine:	Thermoplastic Spray Road Marking
Manufacturer:	Hofmann
Model:	H33-2
Date of Build:	2001



Type of Machine:	Solvent base Spray Road Marking Truck
Manufacturer:	Saba Shimi Arya
Chassis Model:	Alvand Truck
Date of Build:	2016



Type of Machine:	Thermoplastic Preheater
Manufacturer:	Hofmann
Volume of Paint Tank:	3000 kg
Date of Build:	2000



# SABA

PROTECTIVE COATINGS



NO RUST, TRUST US



SABA SHIMI ARYA

[www.sabashimi.com](http://www.sabashimi.com)



# Industrial Paints & Coatings

## Primers:

- Zinc-Rich epoxy-polyamide primer
- Zinc phosphate polyamide epoxy primer
- Zinc chromate polyamide epoxy primer
- Zinc-rich ethyl silicate primer
- Other epoxy polyamide iron oxide primer
- Wash primer
- Epoxy phenolic primer

## Midcoats:

- HIGH BUILD epoxy polyamide midcoat
- MIO- HIGH BUILD epoxy polyamide midcoat

## Topcoats:

- Gloss, semi-gloss and matte epoxy topcoat
- Gloss, semi-gloss and matte polyurethane topcoat
- Solvent-free epoxy polyamine- for freshwater applications
- Epoxy polyamine glass flake
- Epoxy phenolic topcoat
- Epoxy coal tar polyamine

## Heat Resistant Paints:

- 250 °C heat resistant paint
- 400 °C heat resistant silicone paint
- 600 °C heat resistant silicone paint

## Thinners:

- Epoxy thinner
- Polyurethane thinner
- Heat resistant paint thinner
- Ethyl-Silicate Thinner
- Washing thinner

## Epoxy Floorings:

- Epoxy polyamide primer for concrete painting
- Epoxy polyamine floor coating (midcoat)
- Epoxy polyamine floor coating (topcoat)
- Transparent Epoxy Lacquer



## An Introduction to Industrial Coating Systems:

Here, several coatings produced by Saba Shimi Arya are introduced. It is worth mentioning that most products used in the following systems are certified by the Research Institute of the Petroleum Industry. In addition, all the thicknesses mentioned for these systems are the thickness of dry film.

### ■ **System 1:** For industrial and offshore areas with high corrosion and service life of ten years

- Preparing the surface: Sa 3
- First Layer: 75  $\mu$  zinc-rich ethyl silicate primer
- Second Layer: 20  $\mu$  epoxy tie-coat
- Third Layer: 200  $\mu$  MIO epoxy polyamide primer
- Topcoat: 50  $\mu$  polyurethane film

### ■ **System 2:** For industrial and offshore areas with moderate to high corrosion and service life of ten years.

- Preparing the surface: Sa 2½
- Primer: 75  $\mu$  zinc-rich epoxy polyamide primer
- Midcoat: 100  $\mu$  MIO epoxy polyamide primer
- Topcoat: 50  $\mu$  polyurethane film

### ■ **System 3:** Specific for submerged structures in seawater, drinking water, oil and fuel reservoirs, and a service life of 10 to 15 years

- Preparing the surface: Sa 3
- 1000  $\mu$  epoxy glass flake

### ■ **System 4:** For oil, gasoline, diesel fuel, and saltwater tanks, wastewater pipelines with a service life of 10 to 20 years

- Preparing the surface: Sa 3
- 450  $\mu$  epoxy coal tar

### ■ **System 5:** For industrial facilities installed in medium corrosion environments exposed to the sunlight with a service life of 5 years

- Primer: 60  $\mu$  zinc phosphate epoxy polyamide primer
- Midcoat: 100  $\mu$  MIO epoxy polyamide primer
- Topcoat: 50  $\mu$  polyurethane film

### ■ **System 6:** For firefighting water storage tanks with a service life of ten years

- Primer: 60  $\mu$  zinc-rich epoxy polyamide primer
- Midcoat: 200  $\mu$  high build epoxy polyamide midcoat
- Topcoat: 50  $\mu$  epoxy topcoat





# Industrial Paints & Coatings

- **System 7:** For industrial structures installed in coastal areas and non-industrial climates with a service life of 5 years
  - 60  $\mu$  ochre iron oxide alkyd primer
  - 60  $\mu$  alkyd midcoat
  - 60  $\mu$  alkyd topcoat
- **System 8:** For tanks and installations exposed to heat up to 600 °C
  - 30  $\mu$  heat resistant silicone primer
  - 30  $\mu$  heat resistant silicone topcoat
- **System 9:** For epoxy floor coatings applied for industrial sheds, production halls of factories, warehouses, hospitals etc. with a service life of 9 years
  - Epoxy polyamide primer for floor coating
  - Epoxy polyamine midcoat for floor coating
  - Epoxy polyamine topcoat for floor coating

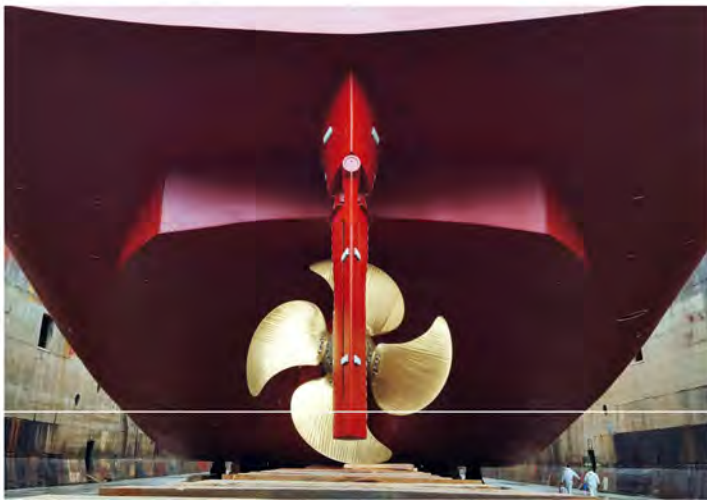
## Factors affecting coating efficiency

### Good design of the parts

- Flat and smooth welding points
- Avoid the designs in which the corrosive materials collect in the corners and edges
- Avoid putting two different metals in contact

### Proper surface preparation

- Removing contaminations, oil and dust using a solvent or detergent
- Removing oxide layer and creating a good surface profile to improve adhesiveness of the coating using different surface preparation methods (waterjet, sandblast, shut blast etc.)



## Choosing Application Method

The application method should be selected such that to paint the inaccessible points too. Otherwise, corrosion starts from that point which reduces the service life of the coating system. Therefore, it is recommended to cover these areas using a brush before applying the paint to cover welding points and sharp edges, to let the topcoat penetrate into the pores and layers created by the welding lines. Common air sprays are used for small parts to prevent paint loss. Airless spray is much better compared to the common type in terms of efficiency and speed of work and creates a thicker film with least paint loss.



📍 unit 29, 4th floor, No. 1402, above Gholhak  
Crossroad, Shariati St., Tehran – IRAN

📞 (+9821) 74039000      🌐 [info@sabashimi.com](mailto:info@sabashimi.com)

🏠 (+9821)74039000(Ext.7)      ✉ [www.sabashimi.com](http://www.sabashimi.com)

