

Mandana Polymer Industrial Group

Manufacturer of Liquid waterproofing membrane Epoxy Adhesive, Epoxy Flooring part making epoxy & Polymer Detergent



Colour and enhancer for epoxy resin

Colour and enhancers for epoxy resin are produced and sold as powders, inks (liquids), and pastes. Products come in various types including simple, shell, chrome, fluorescent, phosphorescent, and metallic. After being mixed with resin, epoxy paint adds a transparent effect to the epoxy resin. Choosing the right colour is important for the quality of the finished product. Using non-standard or inappropriate paint can lead to issues such as the work surface not drying properly, and small cracks and holes in the dried surface, preventing the paint from mixing completely with the resin. Among the additives for resin, options include epoxy-compatible crystals, flakes, and various types of mica

Motbakaran Mandana Polymer Company is Iran's first academic and knowledge-based company that specializes in producing a variety of high-quality paints (including paste, epoxy ink, powder, and acrylic) and effects, all meeting international standards

Features and application

Feature	Application
<ul style="list-style-type: none"> ● Offers a variety of colours ● Creates either a glassy or solid finish, depending on the colour type ● Easy to apply ● Highly durable ● Ensures even distribution within the resin 	<ul style="list-style-type: none"> ● As a colouring and effect agent in construction ● 3D floor coverings, including Ebro Bad and decorative styles ● Resin dishes and coasters ● Resin accessories and jewelleryes ● Resin and resin wood pieces ● Various types of photo-resin panels like abstract, geode, and mixed media

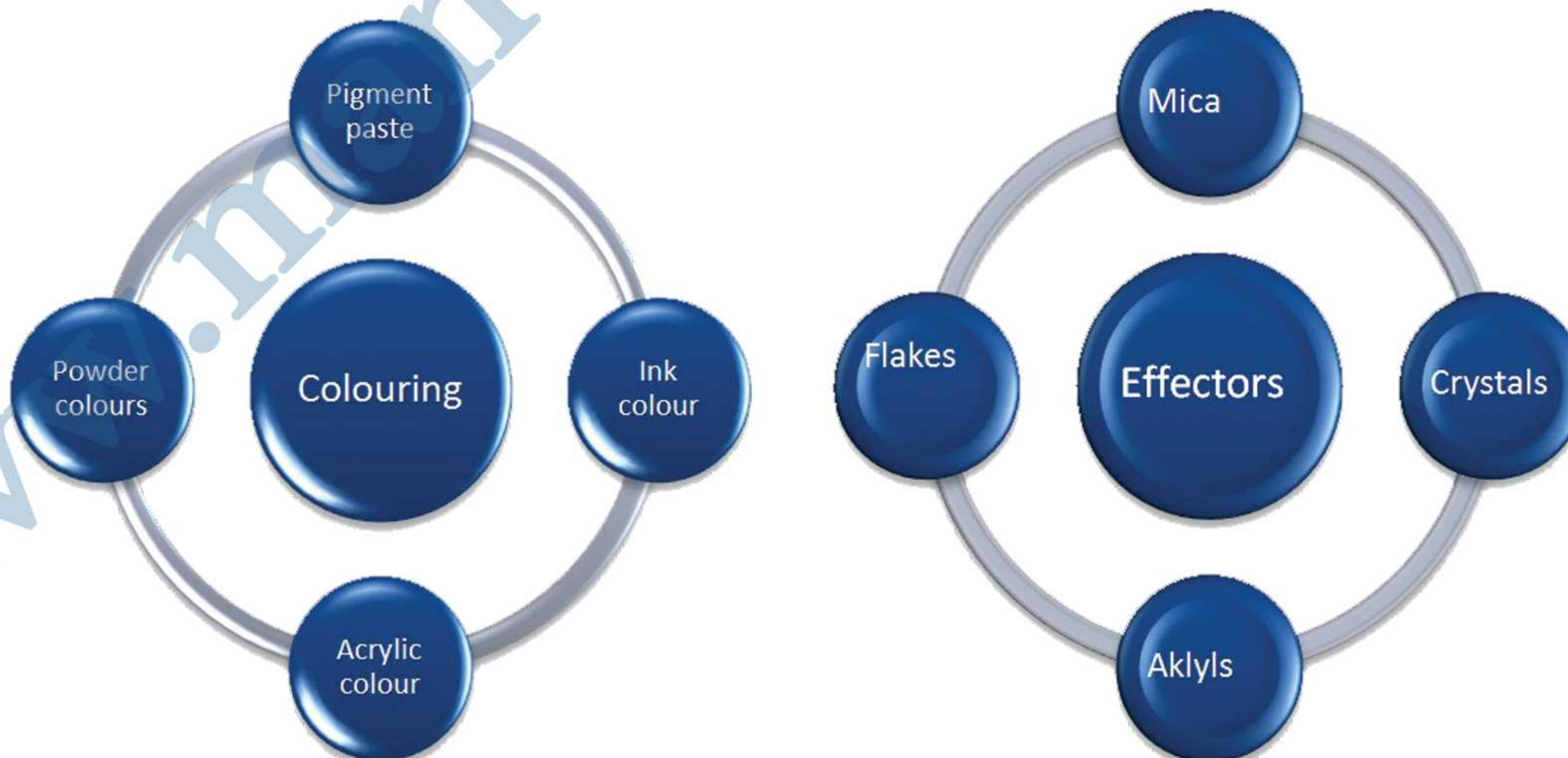
Consumers (end users)

Installation of epoxy flooring

Industries involved in manufacturing resin components (such as parts making and electronic parts)

Educational institutions offering resin-related programs

Workshops creating resin tables and accessories



Physical and functional characteristics

Mixing percentage (colorant: epoxy resin)	Maximum %5 of the total weight of the resin	
consumption instruction	Preparation: Stir the paste paint or epoxy ink well before using How to use: Use a clean spoon to take some of the desired colour and mix it slowly into the resin until it's fully blended Considerations: Don't use too much colorant in the resin and hardener. The colorant can be added either to the resin alone or to the mixture of resin and hardener	
Color types	Powder	Simple, shell, fly wing (chrome), fluorescent and phosphorescent, metallic
	Ink	Creating glass and transparent effects, Alky ink, microbial ink, epoxy ink
	Paste	Creating a range of semi-transparent colours
	Acrylic paint formulated for medium purity	Not compatible with epoxy resin
Optimum temperature range for mixing in colorant	20-30 °C	
Available colour	Diverse	
Colours suitable for mixing with epoxy resin	<ul style="list-style-type: none"> ● Various types of powder paint ● Paste colour ● Epoxy ink paint 	

Maintenance and safety considerations

- Storage life 12 to 24 months in original packaging
- Keep in a dry place away from direct sunlight, water, and rain
- The best temperature for storing dyes is between
- Close the lids of the containers tightly after use
- Always use a clean tool to dispense the paint
- Epoxy dyes are non-toxic and safe for health and the environment

Warranty and After-Sales Service

This product is guaranteed for one year and includes ten years of after-sales support

Other property

Technical Information (pigment)

Particle Size Distribution	80% within the range 10-60 µm. D50 22±2.0 (By Malvern Mastersizer 2000)	
Visual and Colorimetric evaluation	conforms	FOCUS
pH (10% Aqueous Suspension)	4.0 -7.0	ISO787-9
Loss on Drying (105°C)	0.5 % max.	GB 5211.3-85
Oil Absorption	45-75 g oil/100g powder	GB 5211.15-88
Bulk Density	25-45 g/100cm ³	GB/T 23771-2009
Density	2.8-3.4 g / cm ³ (water=1)	