

Mandana Polymer Industrial Group

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

part making epoxy EP701



epoxy is employed for creating parts, casting, and modelling industrial components and delicate models. EP701 Its optimal concentration and permeability enable this product to make parts and copy complex parts in one step without affecting the physical structure of the obtained parts. The polymer structure of the product remains fixed and stable after the reaction and does not undergo any volume or weight changes

Description

Features, Applications and Consumers

Feature	Application	Consumers
<ul style="list-style-type: none"> ● Strong chemical resistance to acids, bases, and hydrocarbons solvents ● Effective protection of electronics against corrosion, fungus, thermal shock, and static discharges ● Resistance to water and humidity allowing submersion if needed ● Resists environmental conditions and UV light ● Highly resistant to impacts 	<ul style="list-style-type: none"> ● Encapsulate printed circuit assemblies and coating insulating metal surfaces ● Provides protective insulation ● Once cured, it enhances reliability, widens operational range, and extends the lifespan of electrical components ● Conceals and limits access to proprietary design features ● Shields sensitive electronic circuits from dust, moisture, and chemicals 	<ul style="list-style-type: none"> ● Automotive industry ● Marine industries ● Aerospace and aviation ● Industrial control equipment ● Water pumps ● Communication equipment



Physical and functional characteristics

Curing time(25-30°C)	Pot life 50min	Touch cure 8hours	Full cure 48hours
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Environmental implementation conditions

Environmental implementation conditions			
Humidity 80% (max)	Temperature (25-30°C)	Before implementation, apply EP770 primer.	
Optimal operating temperature range	-30 to 140°C		
Tools	Spatula		
Package	1, 5, and 10kg		
Density (g/cm ³) ASTM D792-00	1.25 ± 0.03		
Hardship (solid content) Shore D	60-80		
Non-volatile substances	99%		
Available shapes and colors	Soft and hard (10-30%)	Black colour	

Maintenance

- Store in a dry area away from direct sunlight, water, and rain
- Avoid storing the material at temperatures below 15°C
- The primary packaging ensures a storage period of over 2 years at temperatures ranging from 15 to 30 degrees Celsius
- Extended storage of resin at or near freezing temperatures may result in crystallization. To revert the material to its original state if crystallization occurs, briefly heat it to 50-60°C

Safety considerations

EP701 black epoxy is non-toxic, but it's advisable to wear gloves, safety glasses, and work clothes during application. While not considered hazardous to health or the environment, in case of skin or eye contact, rinse with water