

# EPO CLEAR EPOXY

High Performance Clear Epoxy



## DESCRIPTION

**EPO CLEAR EPOXY** is a solvent free, two pack high build polyamine epoxy paint which cures to a coating with excellent resistance to fresh water, sea water, oil cargoes and to abrasion.

## TYPICAL APPLICATIONS

**EPO CLEAR EPOXY** has been formulated for maximum compatibility with a wide range of substrates and mould materials, and can be used in the following situations:

- Can be used for just about any application that requires a “water-clear” and tough resin casting
- As a clear epoxy coat for 3D flooring system
- Can be used (after coloring) for epoxy floor marble decoration
- It can be poured as a thick coating of maximum 2-3 cm over existing surfaces or into molds made from silicone rubber
- It can be used for casting in wood like epoxy river tables.

## PRODUCT DATA & TECHNICAL SPECIFICATION

Country of Origin	Turkey
Form	Liquid
Color	Clear
Density	1.05 ± 0.01 Kg/Ltr
Volume solids	100%
Pot life @ 20°C	90 – 120 minutes
Surface dry @ 20°C	Approx. 1 Hour
Dry to touch @ 20°C	3 hours
Hard Dry @ 20°C	6 hours
Fully cured @ 20°C	7 days
Flash point	130°C
Coverage	10 m <sup>2</sup> /Liter for 100micron DFT
Packing	3.5 Kg Set (A+B) 15 Kg Set (A+B)
Shelf Life	12 months, in unopened package, dry and cool environments

## APPLICATION PROCEDURE

### MIXING

For full set use a mechanical mixer at a slow speed of 300rpm. Partial mixing can be done by manually. Mix two part component A and one part component B (by volume or by weight) until the mix is homogeneous.

### SURFACE PREPARATION

It is important to ensure that the surface is as dry and stable as possible, especially for materials like wood and cork or concrete where moisture levels within the substrate can be high.



### APPLICATION AS A COATING

If the substrate for applying **EPO CLEAR EPOXY** is not porous, for example plastic, metal, marble or granite then you do not need to prime the surface. If the surface is porous such as concrete, wood, ceramic or MDF then it is recommended to apply a sealing coat prior to the main coat.

### APPLICATION BY CASTING

One of the remarkable applications of **EPO CLEAR EPOXY** is the inclusion of other materials within the epoxy such as playing cards, photographs, pebbles, crushed glass etc.

The inclusion of any materials within **EPO CLEAR EPOXY** will result in some slight effect on the surface caused by absorption of the epoxy into the material being included. To avoid this it is recommended to do two pours; the first pour will encapsulate the inclusions completely, the second pour is to leave a perfectly flat surface.

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## APPLICATION WITH PIGMENTS AND TINTS

**EPO CLEAR EPOXY** can be pigmented with epoxy compatible pigments such as inorganic pigments like mica pigments. It should be noted that for thin sections need more tinting pigment than for thicker sections.

A transition from one colour to another can be achieved using two pours of differently tinted resin, Always conduct a small test first to ensure compatibility with your chosen tint, pigment or powder.

## TRAPPED AIR REMOVAL

If there is any trapped air observed after mixing and pouring of **EPO CLEAR EPOXY**, lightly pass over the surface of the resin with a heat gun or blow torch on a low setting.

## PRECAUTIONS

### MOISTURE

Epoxy layers should be protected from moisture for 4-6 hours after application. Moisture may whiten the surface or/and make it sticky. It may also disturb hardening. Faded or sticky layers in parts of the surface should be removed by grinding or milling and laid again.

## HEALTH AND SAFETY

**EPO CLEAR EPOXY** should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of vapours. Some people are sensitive to epoxy resins, therefore, protective gloves, goggles and barrier creams should be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus must be used.

If **EPO CLEAR EPOXY** comes in contact with skin, it must be removed before it gets dry by washing with soap and plenty of clean water and seek medical advice. If swallowed, seek medical

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