



# ALCOLIN RAPID EPOXY

## Description

ALCOLIN RAPID EPOXY is a 2-part, clear, fast-setting, polymer compound that mixes easily enabling fast permanent repairs to many surfaces including fibreglass, concrete, glass, metals, wood, and some plastics. ALCOLIN RAPID EPOXY comes in a double syringe applicator for easy and accurate dispensing of resin and hardener.

## Features & Benefits

- Fast bonding - quick repairs.
- Versatile - bonds almost anything.
- Clear setting - no visible glue line.
- Durable - waterproof and chemical resistant.
- Gap filling - ideal for bonding surfaces that are not well mated.

## Applications

- Ideal for making emergency repairs to ceramics, glass, metal parts, wooden structures and for the assembly of all types of ceramics, porcelain, painted surfaces, enamel hand crafted and manufactured parts.

## Adhesion

- ALCOLIN RAPID EPOXY bonds to metals, wood, glass, plaster, concrete, brick, granite, natural stone and some plastics such as fiberglass, polyacrylates, polycarbonates, ABS, and hard PVC.

## Limitations

- May yellow when exposed to direct sunlight.
- Not suitable where a flexible or elastic bond is required.
- Not suitable for applications requiring heat resistance above 80°C.
- Does not bond to some plastics such as polyethylene, polypropylene or Teflon.
- Not suitable for structural applications.

## Safety instructions

ALCOLIN RAPID EPOXY is non-toxic, however, safe handling practices should be implemented to avoid irritating sensitive skin. It is advisable to wear gloves in order to avoid direct skin contact. If glue comes in contact with skin or eyes, flush thoroughly and immediately with water. If irritation continues, seek medical attention. Paint is slippery when wet, so care should be taken when cleaning spillages that occur. Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

## Surface preparation

- In order to achieve optimum adhesion, surfaces should be clean and free of grease and dirt.
- Scuffing or sanding the surface prior to cleaning helps ensure a good bond.
- As a precaution, it should be remembered that poor surface preparation might result in bond failure.



### Directions for use

1. Break off the end of the nozzles on the double syringe applicator so that the holes have the same diameter.
2. Extrude an equal quantity of the two components.
3. Mix these thoroughly with the spatula provided, until a homogenous mixture is obtained.
4. It is recommended that only the amount that can be used within approx. 3 to 4 minutes, be mixed at any one time.
5. Apply the mixture thinly to both surfaces to be bonded, ensuring not to exceed the open time assembly (approx. 4 minutes).
6. Join the two parts and hold them together for approx. 10 minutes.
7. Remove any excess ALCOLIN RAPID EPOXY immediately with thinners or acetone.
8. Objects will resist light manual pressure after approx. 10 minutes. Cold conditions will retard cure time.
9. Final bond strength is obtained after 24 hours.

### Cleaning

- Uncured epoxy can be cleaned with thinners or acetone.
- Cured epoxy has to be removed mechanically or heated above 100°C.

### Storage stability

ALCOLIN RAPID EPOXY has a shelf life of at least 24 months if stored in a cool (below 25°C), dry place in its original moisture-tight container. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable. The unused portion will remain stable for future use if stored in its original package at room temperature.

### Product packaging

- 24ml double syringe

### Product data

#### i. Physical data

Colour	Clear
Density (g/cm <sup>3</sup> )	1.1
Solids (%)	100

#### ii. Application data

Work life (minutes)	4
Final cure (hours)	24
Hardens in (minutes)	10
Service Temperature °C	5 to 80 °C
Shrinkage (%)	<1
Water resistance	Waterproof
Chemical Resistance	Hydrocarbons, halocarbons, ketones, alcohols, esters, aqueous salt solutions, dilute acids and bases

*The above information is only offered, as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for problems caused by the use and/or application of this product.*

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