

Resene Epoxy-O- Bond

epoxy filler

Resene Epoxy-O-Bond is a two component epoxy filler or surfacing compound with excellent non-sag and gap-filling qualities. Adheres to a wide range of materials but is not designed for flexible materials and certain plastics.

exterior/interior

Typical uses

- Concrete
- Fibre cement
- GRP
- Timber

| | |
|----------------------------|---|
| Vehicle type | Epoxy base; Polyaminoamide hardener |
| Pigmentation | Extenders |
| Solvent | 100% solids |
| Pot life | Mixed product 25-30 minutes at 20°C (250g mass) |
| Colour | Green |
| Dry time (minimum) | Full cure: 5-10 days (may be sanded after 24 hours at 20°C) |
| Chemical resistance | Excellent |
| Heat resistance | Excellent |
| Toxicity | Prolonged skin contact can cause dermatitis |
| Mixing ratio | 1 to 1 by volume |
| Clean up | Uncured epoxy may be removed with a strong detergent or Resene Thinner No.12; cured material requires abrasion chipping, sanding or planing |
| Pack size | Base: 1 litre, Hardener: 1 litre |

Physical properties

Epoxy base; Polyaminoamide hardener
 Extenders
 100% solids
 Mixed product 25-30 minutes at 20°C (250g mass)
 Green
 Full cure: 5-10 days (may be sanded after 24 hours at 20°C)
 Excellent
 Excellent
 Prolonged skin contact can cause dermatitis
 1 to 1 by volume
 Uncured epoxy may be removed with a strong detergent or Resene Thinner No.12; cured material requires abrasion chipping, sanding or planing
 Base: 1 litre, Hardener: 1 litre

Performance and limitations

- Performance**
1. Excellent adhesion to a wide variety of substrates.
 2. Does not shrink after curing.
 3. May be sanded to a smooth, dense, non-porous surface.
 4. May be applied up to 10mm thick on vertical surfaces without slumping.

- Limitations**
1. Curing is affected by low temperatures and high humidity. The temperature of the substrate should be 3°C above the dew point.
 2. Not designed for use on flexible materials, certain plastics or to fill joints where movement is likely to occur.

Epox-O-Bond epoxy filler

Surface preparation

Ensure surface is clean and dry, free from dirt, dust and loose material, oil, grease and mould. Smooth or glossy surfaces should be abraded to improve bond.

Concrete

Remove laitance by thorough wire brushing.

Timber

Sand at 45° to the grain. Oily timbers must be degreased with Resene Thinner No.12.

Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.

Application

This product comprises a base and a hardener that must be mixed in the required ratio before application. Efficient mixing at all stages requires power mixing. Mix the two components to a uniform green colour using a mixing paddle on a low speed drill mixer. Small amounts may be mixed using a spatula. Take care to avoid air entrapment.

Apply using a squeegee, trowel or spatula.

1. Work material well into the surface to fill voids and the surface. A smooth surface can be obtained by wiping freshly applied material with a slightly wet spatula or towel. Avoid mixing water into the epoxy as curing can be affected.
2. For heavy vertical filling, re-shaping may be required after 25-30 minutes.
3. Sandable after 24 hours at 20°C. Full cure will range from 5-10 days depending upon environmental conditions.

Precautions

1. This material may be harmful if swallowed or absorbed through the skin and may cause skin or eye irritation.
2. If swallowed give water to dilute. Do not induce vomiting.
3. If eyes become contaminated, flood with running water for at least 15 minutes. SEEK MEDICAL AID.
4. Epoxies and their curing agents have been known to cause dermatitis. If any skin contact occurs, wash skin thoroughly with soap and water immediately. Do not scrub the skin.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products. If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.

In Australia
PO Box 785, Ashmore City, Queensland 4214
Call 1800 738 383, visit www.resene.com.au
or email advice@resene.com.au

Resene
the paint the professionals use

In New Zealand
PO Box 38242, Wellington Mail Centre, Lower Hutt 5045
Call 0800 RESENE (737 363), visit www.resene.co.nz
or email advice@resene.co.nz