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APR 99

D808

Resene Epox-O-Bond Epoxy Filler

Resene Epox-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.

Interior/Exterior

Typical Uses

- Concrete
- Fibre Cement
- GRP
- Timber

Physical Properties

Vehicle Type	Epoxy Base; Polyaminoamide Hardener
Pigmentation	Extenders
Solvent	100% Solids
Pot Life	Mixed product 25-30 minutes at 20°C (250g mass)
Colour	Grey
Dry Time	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

Performance & Limitations

Performance	<ol style="list-style-type: none">1. Excellent adhesion to a wide variety of substrates.2. Does not shrink after curing.3. Can be sanded to a smooth, dense, non-porous surface.4. Can be applied up to 10mm thick on vertical surfaces without slumping.
Limitations	<ol style="list-style-type: none">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.

Information contained in this Data Sheet is re-validated every two years following issue date. Please ensure the current Data Sheet and Material Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.

Epox-O-Bond Gelled Epoxy

Surface Preparation

All Surfaces

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.

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. Each component should be separately mixed before blending. Mix the two components to a uniform off-white 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. For heavy vertical filling, re-shaping may be required after 25-30 minutes.
2. For bonding, apply an even film to both surfaces and bring parts firmly together. Apply pressure using a clamp for at least 24 hours.

Precautions

1. This material may be harmful if swallowed, inhaled or absorbed through the skin and may cause skin or eye irritation.
2. Avoid breathing vapour - use with adequate ventilation.
3. If swallowed give water to dilute. Do not induce vomiting.
4. If eyes become contaminated, flood with running water for at least 15 minutes. **SEEK MEDICAL AID.**
5. 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.

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Resene

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In New Zealand, PO Box 38242, Wellington Mail Centre,
call 0800 RESENE, visit www.resene.co.nz or email advice@resene.co.nz

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

Resene Epoxy-O-Bond Gelled Epoxy

Resene Epoxy-O-Bond Gelled Epoxy is a two component gelled adhesive or fairing 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.

Interior/Exterior

Typical Uses

- Concrete
- GRP
- Timber

Physical Properties

Vehicle Type	Epoxy Base; Polyaminoamide Hardener
Pigmentation	Extenders
Solvent	100% Solids
Pot Life	Mixed product 25-30 minutes at 25°C (150g mass)
Colour	Off-White when mixed
Dry Time	Full Cure: 24 hours
Chemical Resistance	Excellent
Heat Resistance	Excellent
Toxicity	Prolonged skin contact can cause dermatitis
Durability	Excellent
Mixing Ratio	2 to 1 by volume, base to hardener
Clean Up	Uncured epoxy may be removed with a strong detergent or Resene Thinner No.12
Pack Size	750ml, 1.5, 3, 6 and 30 litre composite packs

Performance & Limitations

Performance	<ol style="list-style-type: none">1. Excellent adhesion to a wide variety of substrates.2. Does not shrink after curing.3. Can be sanded to a smooth, dense, non-porous surface.
Limitations	<ol style="list-style-type: none">1. Curing is affected by low temperatures and high humidity. The temperature of the substrate should be 3°C above the Dew Point.

Epoxy-O-Bond Epoxy Filler

Surface Preparation

All Surfaces

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 grey 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.

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RA406

Resene Squash Court Coating

Resene Squash Court Coating is a two pack waterborne epoxy especially developed for coating squash court walls.

Interior

Typical Uses

- Concrete/Plaster Walls

Physical Properties

Vehicle Type	Two component epoxy
Hardener	Polyaminoamide
Pigmentation	Titanium Dioxide/Extenders
Solvent	Water
Finish	Matt
Colour	Off White (similar to BS2660-4046), limited range of pastel colours
Mix Ratio	2 parts Hardener to 1 part Base
Pot Life	90 minutes @ 20°C
Dry Time	10 hours @ 20°C 20 hours @ 10°C
Recommended DFT	90 microns – this is achieved by applying by brush, roller or airless spray, 2 coats at 9.2 sq. metres per litre per coat
Recoat	24 hours minimum
Primer Required	No
Usual No. of Coats	2 (brush/roller)
Abrasion Resistance	Excellent
Chemical Resistance	Alkalis – Excellent; Acids – Fair
Solvent Resistance	Excellent
Durability	Excellent
Thinning & Clean Up	Water.
Pack Size	6 litre composite

Performance

Performance & Limitations

1. High surface hardness with excellent resistance to abrasion.
2. Displays unsurpassed adhesion to appropriately prepared surface.
3. Excellent resistance to chemical solvents and water. Marked walls can be cleaned down with Resene Graffiti Cleaner (RA101).
4. Waterborne formulation overcomes problems associated with use of solventborne products in areas of restricted ventilation.
5. Formulated for brush, roller or airless spray application.
6. Tolerant of application over damp surfaces.

Limitations

1. Application not recommended at temperatures below 10°C or above a R.H. of 85% as cure time is considerably slowed.
2. Allow system to cure for a minimum of 48 hours before court is recommissioned. At lower temperatures this interval may need extending to avoid damaging coatings. Full cure will take up to 5 days.

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Squash Court Coating

Surface Preparation

New Surface

Cementitious surfaces must be clean and free from release agents, oil, grease and laitance.

Fill holes and surface cracks with Resene Epox-O-Bond (Data Sheet D808).

Repaint

Resene Squash Court Coating should only be applied over old Resene Squash Court Coating or similar generic product in a sound condition. If this is not the case, complete removal of the existing coating is required.

Wash with Resene Graffiti Cleaner (Data Sheet RA101).

Thoroughly scrape and sand to remove all loose and flaking paint and to provide a mechanical key for subsequent coats. Sand areas of flaked paint to a feathered edge.

Fill cracks and holes with Resene Epox-O-Bond Epoxy Filler (Data Sheet D808).

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

Apply by brush, roller or airless spray.

Mixing

Resene Squash Court Coating is supplied as a 6 litre unit that will require a separate mixing container if a full unit is to be used. Thoroughly stir contents of both base and hardener prior to mixing. To one part of Resene Aquapoxy White Base by volume add two parts of Resene Aquapoxy Squash Court Hardener by volume and mix these thoroughly either by hand or power tool until homogeneous. Mix only the amounts that can be applied during the 90 minute pot life. If mixing less than a full unit, use accurate measuring devices to ensure correct mix ratios are achieved.

Two unit packs of mixed material will provide sufficient product to apply one coat to the squash court playing area.

Precautions

1. Consult Material Safety Data Sheet and read can label for this product prior to use. Users should ensure that they are familiar with all aspects concerning the safe use of this product. **IF IN DOUBT DO NOT USE THIS PRODUCT.**
2. Resene Squash Court Coating presents no danger from inflammable solvents. Epoxies and polyaminoamides have been known to cause dermatitis and precautions against skin contact should be taken.
3. If eyes become contaminated flush with water for a minimum of 15 minutes. **SEEK MEDICAL AID.**
4. Marked walls can be cleaned down with Resene Graffiti Cleaner (Data Sheet RA101).
5. After cleaning, courts should not be recommissioned by 24 hours to allow the coating to re-harden.

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