

DATA SHEET

EZYPOXY CLEAR

Clear, 100% Solids General Purpose Epoxy

DESCRIPTION

A solvent-free, clear, two-pack epoxy designed as a general purpose resin for a wide range of subfloor applications requiring good all-round properties.

Quality materials are selected to create a low-viscosity subfloor resin that is perfectly suited for use as a binder in levelling, filling, patching and coving systems.

Ezy epoxy Clear is also formulated to offer a more user-friendly alternative to standard GP resins that are typically unpredictable in performance, and problematic when it comes to health issues such as sensitisation.

USES

Common uses for Ezy epoxy Clear include priming, sealing, levelling, filling, patching and coving in:

- Garages
- Workshops
- Warehouses
- Car Parks
- Loading Zones
- Industrial Facilities
- Kitchens
- Food Preparation
- Food Processing
- Schools
- Toilets & Changerooms
- Walkways

PRODUCT DETAILS

Type:	Two-pack epoxy - solvent-free/100% solids.
Colour:	Clear.
Finish:	Gloss.
Mix Ratio:	2:1 v:v.
Pack Size:	12 litres.

BENEFITS

- ✓ User-friendly alternative to typical GP-style epoxies.
- ✓ High compressive strength and overall performance.
- ✓ No solvents or strong odours.
- ✓ Versatile resin with a wide range of uses, including:
 - Priming and sealing porous concrete.
 - Skim or slurry coats to repair damaged surfaces.
 - Coving.
 - Grouting and filling - bolts, joints and other voids.
 - Re-levelling to establish falls to drains.
 - High-build (>6mm), heavy-duty trowel-down systems.



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CHEMICAL RESISTANCE

Ezypoxy Clear is resistant to exposure from spillage of most household & commercial chemicals, e.g. detergents, soaps, oils/grease etc.

Staining may occur when exposed to aggressive chemicals. Good housekeeping practices, including dilution and prompt clean up, will help minimise damage.

COVERAGE

Primers/Sealers/Clear Coatings:

The actual coverage achieved by Ezypoxy Clear will depend on the substrate characteristics and condition.

The theoretical yield for a 150-micron film is:

12 litre kit @ 6.67m²/L = 80m²

Levellers/Patching Compounds/Coves:

The following table contains starting-point blends for grouts and mortars, as well as the total volume produced. Coverage of these products will depend on the average thickness they are applied.

Product Type	Sand:Binder Volume Ratio	Sand Volume (Dry)	Binder Volume	Total Mixed Volume (Approx.)
Fluid Grout	1.5:1	6 litres	4 litres	7.6 litres
Easily Worked Mortar	3:1	12 litres	4 litres	11.5 litres
Stiff Mortar	4:1	16 litres	4 litres	17.6 litres



CURING TIMES

	Time (@ 25°C)
Pot Life	- 25 minutes
Set (touch)	- 6 hours
Set (hard)	- 12 hours
Re-coat (min.)	- 12 hours
Re-coat (max.)	- 30 hours
Full Cure	- 7 days

- Approximate time frames for full kit @ 25°C.
- Pot life will shorten for larger mixes.
- Curing times will decrease with increasing temperature (+10°C will halve curing times, -10°C will double them).

PRODUCT NOTES

- **WARNING** - under conditions of high humidity and low temperatures the surface finish can be affected by amine blush. This can show up as stickiness in the film, poor gloss retention and/or poor intercoat adhesion. To minimise the risk of amine blush, avoid use when humidity exceeds 85% at 21°C or 75% at 10°C. Attention should also be paid to the substrate temperature, which should be at least 5°C above the dew point during the curing phase.
- Ezypoxy Clear should not be used in thin film for applications requiring resistance to rapid changes in temperature during service and/or cleaning (i.e. thermal shock).
- Should not be applied in temperatures lower than 5°C or in applications with service conditions over 50°C.
- Application to green concrete should be carefully considered and technical advice sought.
- Consistent with all epoxies, Ezypoxy Clear will tend to discolour upon extended UV exposure. Over-coat with Ezypoly (PU topcoat) if required.
- If more than one kit is mixed at a time, the product can reach dangerously high temperatures and experience a significantly reduced pot life.
- Clean up with MEK, acetone or methylated spirits.

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SURFACE PREPARATION

Concrete:

New concrete surfaces should be allowed to cure for a minimum of 28 days.

Contaminated concrete surfaces should be degreased with an appropriate detergent.

Diamond grind, shot blast, scarify or scabble as required to obtain a suitable surface profile for the coating system to be applied. Ensure surface is clean, dry and dust-free again if there's a delay before application.

Properly prepared surfaces should be structurally sound (minimum of 25MPa compressive strength/ 1.5MPa tensile strength) and free of contamination, laitance and any loose material.

Coated Surfaces:

Maximum delay between coats is 36 hours @ 25°C. Should this time be exceeded the previous coat must be lightly abraded with 80-120 grit paper, vacuumed and wiped with methylated spirits or other suitable solvent.

Old, existing films can be over-coated providing they're in good condition and there are no adhesion issues. If in doubt, a tensile adhesion test should be conducted.

MIXING

WARNING: Part B is a Class 8 Corrosive. For full safety instructions, consult SDS. Wear protective clothing, goggles and gloves to prevent skin and eye contact.

NOTE:

Check packaging for correct components before mixing.

Mix product at a ratio of 2:1 by volume. Pour Part B into Part A and mix with a drill mixer until a consistent colour is obtained, scraping sides with a flat spatula to ensure all product is taken in.

Ezy epoxy Clear kits can be split by using the following weights and volumes to make 1 litre -

To make 1 litre	Part A	Part B
Ezy epoxy Clear	750g/670mL	340g/330mL

If pigmenting, pre-mix pigment pots into Part A first with a drill mixer before adding Part B.

When mixing mortars or levelling compounds, gradually add filler/aggregates last while continuing to mix, scraping sides with a flat spatula to ensure all product is taken in. Keep mixing until a consistent appearance is obtained.

APPLICATION

Brush, roller, squeegee or trowel.

Technique and coverages will depend on the type of product being used and its application.

Rolling (Primers/Sealers/Clear Coatings):

Pour product immediately onto the floor after mixing. Start 50cm from a wall and work towards the exit point pouring in an "S" shaped pattern.

Leave enough mixed product to cut in with a brush next to vertical surfaces and around tight areas. Approximately 100mm is typical.

Perform a rough spread using the squeegee to achieve a relatively even film, allow product to level for 2-3 minutes, then backroll smooth using de-linted roller covers.

Roll in long, even, overlapping strokes to get the product feeling and sounding the same.

Trowelling (Levellers/Patching Compounds/Coves):

Prime cleaned surfaces first if required. Position mixed product over the freshly primed areas using appropriate spreading techniques and trowel to a smooth finish as required.

Products must be applied within the pot life times listed in the Cure Schedule table to ensure best results.

STORAGE

Keep containers closed when not in use. Store below 40°C. Do not store in direct sunlight. Shelf life is at least 12 months in original, unopened container. Seek advice from your local council regarding accepted disposal methods.

FIRST AID

CAUTION: KEEP OUT OF REACH OF CHILDREN.

IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Immediately call a POISON CENTRE (Australia - 13 11 26) or doctor/physician. If skin irritation occurs: Get medical advice/attention.



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