

Technical Data Sheet

RWE Commercial Self-level Flooring System



System Description

A two-coat flooring system using a clear sealer and a commercial-grade self-levelling compound to repair, flatten and/or rejuvenate uneven surfaces.

The high-build flooring system has no strong odours and delivers a hard, glossy floor with a smooth, easy-to-clean finish.

Uses

- Commercial-grade self-levelling flooring system for damaged/uneven surfaces in commercial areas and processing facilities.

System Information

Description:	1 x 150-micron coat of Ezy epoxy Clear + 1 x 2000-micron/2mm coat of Commercial Self-level Compound (Ezy epoxy Clear with filler and pigment).
Pack Size/s:	12 litres per kit for Ezy epoxy Clear, 15kg per pail for Filler.
Colour:	Tintable (all Australian Std colours).
Finish:	Gloss.

Technical Advantages

- Backed by a 12-month manufacturer's warranty on projects completed using the RWE Commercial Self-level Project Portfolio. Contact RWE for more information.
- High-build self-level compound allows repair and/or

- levelling of damaged/uneven substrates in one step.
- Solventless products without strong odours can be applied indoors without disruption or harm.
- Good all-round properties, including high chemical resistance, wear resistance, impact resistance and compressive strength.
- Australian made.

Chemical Resistance to Spillage (for fully cured films)

The RWE Commercial Self-level System is resistant to exposure from spillage of most household & commercial chemicals, e.g. detergents, soaps, oils/grease etc.

Note – Staining may occur when exposed to aggressive chemicals. Good housekeeping practices, including dilution and spillage clean up, will minimise chemical damage.

Surface Preparation

Surface preparation is very important and should be done in accordance with proper standards. A summary is given below. See Instruction Sheet for more detail.

New concrete surfaces should be allowed to cure for a minimum of 28 days. Old, damaged and/or heavily contaminated concrete surfaces should be degreased with an appropriate detergent and patch repaired, if applicable, prior to surface preparation.

Diamond grind or shotblast to obtain a clean, granular/rough feel with a CSP 3-5 profile.

Properly prepared surfaces should be structurally sound and free of contamination, laitance and any loose material. Ensure prepared surface is clean, dry and dust-free again if there's a delay between preparation and application.

Coated Surfaces - Can be over-coated providing they're in good condition and there are no adhesion issues. Perform a small adhesion test in an inconspicuous area if in doubt. Clean the coat first, rinse thoroughly and dry before sanding with 80-120 grit paper. Vacuum and then wipe with methylated spirits to remove all dust.

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Mixing

WARNING: Ezyepoxy Clear 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.

For Sealer, pour Part B of Ezyepoxy Clear into Part A and mix for 2 minutes using a drill mixer with Jiffy blade, scraping sides to ensure all product is taken in.

For Self-level Compound, gradually add 10kg of Filler into Ezyepoxy Clear Part A first, scraping sides while mixing to ensure all product is taken in. Add solid colour pigment pots (two for each 12 litre kit) and mix until a consistent colour is obtained.

Pour Part B into Part A and once again mix until a consistent colour is obtained, scraping sides to ensure all product is taken in.

Kits/batches can be split by using the following weights and volumes to make 1 litre -

	Part A	Part B
Ezyepoxy Clear	750g/665mL	340g/335mL
Self-level	1,220g/760mL	250g/240mL

Application

Brush, Roller, Squeegee, 4mm Notched Trowel, Spike Roller.

To extend working time and get best results in flooring applications, pour product immediately onto the floor after mixing.

For Sealer, spread with a squeegee as per Coverages Table below before backrolling smooth.

For Self-level Compound, spread using a notched trowel to achieve correct thickness. After the product has been worked into position, let it flow/self-level for 5-10 minutes before using a spike roller to help remove entrapped air and bubbles.

Self-level Coverages Table

Coat	Typical Coverage (per kit)
Sealer	80m ² @ 150 microns
Self-level	8.25m ² @ 2000 microns/2mm

See Instruction Sheet for more detailed application notes.

Pot Life and Dry Times

Temp.	Pot Life	Re-coat Window	Light Traffic
25°C	25 min.	24 hours	24 hours after final coat

Approximate time frames only for Ezyepoxy Clear. Times will decrease as the temperature and mix size increases. Abrade the surface before re-coating if the film has become hard and glossy.

Product Characteristics/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.
- If more than one kit is mixed at a time, the products can experience a reduced pot life.
- It may be necessary to add less than 10kg Filler to each kit in cool conditions to reduce viscosity.
- For best results, mix Part A of Self-level Compound 24 hours prior to application.
- Do not add solvents as it can affect performance.
- Should not be applied in temperatures lower than 5°C.
- Consistent with all epoxies, the RWE Commercial Self-level System will tend to discolour upon extended UV exposure. Over-coat with Ezyepoxy Clear if suitable.

Storage & Disposal

Keep containers closed when not in use. Store below 50°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. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE (Australia - 13 11 26) or doctor/physician. If skin irritation occurs: Get medical advice/attention.



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