Resene Flexicover E

high build elastomeric membrane

Resene Flexicover E is a thixotropic waterproofing membrane designed for thick application over concrete surfaces. Based on the recent development of tough acrylic elastomers that have an excellent 'memory' of their original shape when distorted. Improved dirt pick up and crack bridging properties are also of significant benefit. Ideally suited for structures that will flex and develop minor cracks. Protects flexing structures from concrete carbonisation by maintaining a seal over the micro cracks that develop.

exterior/interior

Typical uses

- Concrete road bridges
- High rise concrete buildings
- All other cementitious surfaces

Physical properties

Vehicle type	Pure acrylic elastomeric resin
Pigmentation	Titanium dioxide, mineral fillers
Solvent	Water
Finish	Semi-gloss
Colour	White* and colours off-white; available in most colours from the Resene Total Colour System in a minimum order size of 200L
Dry time (minimum)	1 hour per 100 microns
Recoat time (minimum)	3 hours per 100 microns
Primer required	Yes, dependent on surface
Theoretical coverage	Up to 3 sq. metres per litre in one application
Dry film thickness	250 microns at 2 sq. metres per litre
Usual no. of coats	Varies with specification
Abrasion resistance	Good
Chemical resistance	Very good
Heat resistance	Fair, some surface softening
Solvent resistance	Fair
Durability	Excellent
Thinning and clean up	Do not thin; clean up with water
VOC	c. 10 grams per litre (see Resene VOC Summary)

Performance and limitations

Performance

1. Due to its unique rheology, Resene Flexicover E may be applied at very high thicknesses without sagging or film cracking. Where possible, film thickness should be achieved with one coat for optimum film formation.
2. Superior void and crack filling properties.
3. Can bridge and contain propagating cracks as long as they are not wider than half the thickness of the applied Resene Flexicover E.
4. An Environmental Choice approved product.

Limitations

1. Old, weathered concrete requires surface conditioning with Resene Sureseal (see Data Sheet D42).
2. Do not apply at temperatures below 3°C or when it is liable to drop below 3°C during the drying period.
3. Resene Flexicover E will pick up dirt in unwashed areas but this is easily removed by rinsing off with water. Cleaning may be enhanced by the addition of a suitable Resene decorative waterborne topcoat.

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.

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Surface preparation

Cracked surfaces

Due to its high film build, Resene Flexicover E will completely fill cracks up to 1mm. For cracks larger than this, apply one coat of Resene Sureseal (see Data Sheet D42) before filling the crack with a suitable elastomeric sealant.

New cementitious surfaces

Clean down thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease, form release and curing agents. Glossy surfaces require an additional treatment of Resene Waterborne Smooth Surface Sealer (see Data Sheet D47a).

Old cementitious surfaces

If moss and mould are present, treat with Resene Moss & Mould Killer (see Data Sheet D80). Waterblasting at 21,000 kps (3000 psi) is the best surface preparation method prior to painting weathered cementitious surfaces. If waterblasting is not possible, remove all loose powdery material by thorough wire brushing. Allow to dry and apply one coat of Resene Sureseal (see Data Sheet D42).

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

Airless spray

Use a LTX 523 tip or similar and a unit capable of spraying more than 2 litres per minute.

Brush

Best applied in one coat to achieve the recommended film thickness. Brush application is suitable for small areas only.

Roller

Use a 12-20mm synthetic fibre roller and apply in one coat as for brushing.

Concrete blocks

Due to regional variations in concrete block standards, two coats may be insufficient to waterproof. Waterproofing can only be assured when all voids are filled, therefore three coats over block is a safer specification. Brush or roller application is preferred over block and essential for at least the first coat.

Precautions

1. Do not thin.
2. Ensure correct pre-treatment is used.

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
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the paint the professionals use

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