

Resene Aquapel Waterborne Water Repellent

Resene Aquapel is a water repellent treatment formulated to help control efflorescence and give a long-term water-beading effect to deter water penetration. May be used on its own or as a primer under waterborne coatings, especially Resene AquaShield mineral effect (see [Data Sheet D601](#)).

Exterior

Typical uses

Most porous building materials. May be used in multiple coats to keep concrete in its natural state looking good for longer by minimising the opportunity for moss, mould and lichen growths.

- Brick
- Concrete block
- Fibrous cement
- Poured concrete
- Tilt slab
- Timber

Vehicle type	Oligomeric siloxane
Pigmentation	None
Thinner	Water
Finish	None - fully penetrating
Colour	Clear
Dry time	Penetrates - up to 48 hours
Recoat	6 hours
Primer required	No
Theoretical coverage	Dependent on surface porosity
Usual no. of coats	Usually one to achieve saturation
Chemical resistance	Excellent
Heat resistance	Good
Solvent resistance	Good
Durability	Excellent
Thinning	Supplied ready to use – do not thin.
Clean up	Water when wet; mineral turps when dry.
VOC	Less than 10 grams per litre (see Resene VOC Summary)

Physical properties

Performance

Performance and limitations

1. May be applied over a wide range of temperatures.
2. Imparts hydrophobicity.
3. Improves fungal resistance of coated surface.
4. Improves water resistance.
5. May be used under paint systems.
6. Allows the substrate to breathe.

Limitations

1. Curing is slowed by low humidity.
2. Will not waterproof against driving rain or water under hydrostatic pressure.
3. Maximum hydrophobicity (or water repellency) develops after a few days weathering.

Aquapel Waterborne Water Repellent

Surface preparation

Ensure surface is clean and dry, free from dirt, dust and loose material, oil, grease and mould. Waterblasting is the best exterior surface preparation method prior to painting.

If moss and mould are present, treat with Resene Moss & Mould Killer (see [Data Sheet D80](#)).

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

Stir thoroughly before use. Low pressure spray is recommended though Resene Aquapel may be applied by brush or roller. Recoat if required after six hours under normal conditions.

Precautions

1. Remove any Resene Aquapel that gets onto glass to avoid the risk of staining.
2. If it starts to rain, immediately cease application and cover all treated areas that have yet to dry out.
3. Product ingredients will settle on storage. Shake well to reincorporate before application.

*Information contained in this Data Sheet is re-validated every two years following issue date.
Please ensure 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.*