

Resene Stone Strengthener

Resene Stone Strengthener is a 100% active material that is designed to penetrate deep into friable stone or cementitious materials. Once there it utilises moisture in the air to deposit reinforcing silica into the matrix of the substrate. Ethyl alcohol is given off as a by-product of the reaction.

Typical uses

- Lightweight concrete
- Oamaru stone
- Sandstone
- Weathered brick
- Weathered plaster

Physical properties

Vehicle type	Alkyl silicate
Pigmentation	Nil
Solvent	None (see VOC)
Pot life	One year in full sealed containers
Coverage	1-10 sq. metres per litre depending on surface
Recoat time (minimum)	When smell of ethyl alcohol disappears
Clean up	Mineral turps
VOC	Releases 600 grams ethyl alcohol per litre on curing (see Resene VOC Summary)

Performance and limitations

Performance

1. Reinforces weak substrates with inert, acid-resistant silica gel.
2. Negligible changes in surface appearance.
3. Low molecular weight for optimum penetration.

Limitations

1. Releases ethyl alcohol – use only in well-ventilated areas.
2. Will etch glass.
3. Excess material left on the surface should be removed with mineral turps if still wet or ammonia if dried.

Stone Strengthener

Surface preparation

Surface to be treated should be clean and dry.

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

Flood surfaces with low pressure spray application.

Some very porous surfaces will take large amounts of Resene Stone Strengthener. The degree of strengthening required should be determined and a suitable application rate established.

Precautions

1. Remove unabsorbed material – see limitations.
2. Protect window glass.
3. Wear protective gloves and goggles.
4. Will gel in contact with moisture – rinse spray equipment thoroughly with water.

*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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