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
- Reccoat 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.

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