

COMPOSITION

Solvent-free stone consolidate based on silicic acid tetraethyl ester. Does not confer any water-repellent effects

USES

One-component consolidator to solidify and restore weathered stones and mineral construction materials.

PROPERTIES

- ✓ One-component, reactive 100% system
- ✓ Consolidating effect on weathered stones by forming a silicate-based network - Creates non-sticky surfaces of the substrate, therefore no dirt pick-up
- ✓ Breathable, no impairment of the water vapour permeability - Highly penetrating
- ✓ No change of colour
- ✓ Suitable for all weathered absorbent natural stones, brick, terracotta, stucco, brick clay and fresco

TECHNICAL DATA

- ✓ Appearance: colorless, clear, liquid
- ✓ Active ingredient: 100%
- ✓ Specific gravity at 20° C: ca. 1.04 g/cm³

APPLICATION

Pre-cleansing is recommended before the use of **Stone Consolidator SV 100**. Cleansing should be done very gently. Mass-loss of the weathered stone should be as low as possible.

In order to consolidate the mineral substrate, **Stone Consolidator SV 100** is preferably applied undiluted to the dry and cleaned material. However, depending on the application, dilutions in a ratio of 3:1 to 1:2 with appropriate organic solvents like alcohols, esters, ketones or white spirits can be manufactured.

Stone Consolidator SV 100 reacts with moisture while separating alcohol to form a polymeric siliceous network. The network re-embeds the decomposed mineral particles and thus stabilizes and fixes the stone permanently.

Stone Consolidator SV 100 is applied by brush, flooding or spraying application. Apply a uniform and rich coat of the product to the absorbent surface. It is recommended to repeat this procedure several times wet in wet. After saturation of the substrate, surplus material should be removed in order to avoid glossy surfaces. Working equipment as well as accidentally impregnated surfaces can be cleaned with common organic solvents.

The impregnating process with **Stone Consolidator SV 100** can be re-done after a reaction time of 3 weeks after the initial treatment. The material consumption of **Stone Consolidator SV 100** strongly depends on the substrate and normally varies between 0.5 – 5.0 l/m².

Apply **Stone Consolidator SV 100** in dry weather conditions at temperatures between 5° - 25° C. Do not expose to rain for several days after treatment.

The effect of consolidation with **Stone Consolidator SV 100** has fully developed after 2 – 3 weeks.

Stone Consolidator SV 100 is highly sensitive to hydrolysis, any contact with moisture during storage should be avoided. Otherwise the product will get unusable (gelification).

STORAGE

The product is sensitive to frost and heat and must not be stored at temperatures below 0° C or above 40° C. Irreparable damage is possible. In the case of suspected frost or heat damage, the usability of the product has to be checked before processing.

ATTENTION

The above recommendations are based on comprehensive studies and practical experience. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for him whether the product and the application are suited for his very special purposes. We are, above all, not liable for fields and methods of application which have not been put down by us in writing. Advice for marking regulations and protective measures can be taken from the respective safety data sheet.

