

# CS STONE IMPREGNATION

## Water Repellency Treatment



### PRODUCT DESCRIPTION

CS Stone Impregnation is a ready-to-use solvent-based mixture of silanes and siloxanes. It is a high-quality general-purpose water repellency and impregnation system for mineral and alkaline substrates.

### SPECIAL FEATURES

After application on mineral substrates, CS Stone Impregnation with atmospheric moisture or pore water in the substrate, thereby generating the active ingredient and alcohol. The active ingredient greatly lowers the water absorbency of the substrate, which, still, retains a very high degree of water vapor permeability because the pores are not clogged. This breathability of the substrate allows for trapped moisture/liquid vapors to escape and not cause degradation of substrate.

### ADVANTAGES

- Good depth of penetration
- Rapid development of water repellency
- Retains breathability of substrate (does not trap moisture)
- Resistance to alkalis
- Tack-free drying
- Effective on some damp substrates also

### Application Areas

- Absorbent, porous, mineral substrates
- Brickwork
- All kinds of concrete
- Aerated concrete
- Sand-lime brickwork
- Cement fiberboards
- Mineral plasters
- Mineral based natural and artificial stone
- Mineral paints
- Also suitable as a primer for exterior paints
- It is not suitable for gypsum

### COVERAGE ESTIMATES

Coverage of CS Stone Impregnation is highly dependent on substrate porosity. A sample patch test is recommended to determine the coverage and efficacy of the product. An effective range for concrete and outdoor substrates is 30 – 60 sq. ft. per liter of CS Stone Impregnation.

### STORAGE AND SHELF LIFE

CS Stone Impregnation has a shelf life of approximately 1 year when stored in original container in a cool and dry place.

### APPLICATION INFORMATION

#### Surface preparation

- CS Stone Impregnation be directly applied to freshly cured substrates. Older/weathered substrates need to be cleaned before application to expose the porosity of the surface of the substrate, in case there is a moss/alga build up.
- Protect adjacent areas that are not to be treated. Since this is a solvent-based product, it is extremely fast-acting and may leave spots.
- In case of accidental spots, remove with solvent.

#### APPLICATION

- CS Stone Impregnation may or may not slightly alter the color of the treated surface. A patch test sample to be performed to determine the effects on the surface.
- Use a saturated brush, roller or mop to apply CS Stone Impregnation to thoroughly wet the surface to be treated. Liquid nature of the product ensures maximum spreading on both vertical and horizontal applications.
- Apply 2-3 coats, wet-on-wet method, until substrate is saturated.
- Do not leave long breaks between coats. Apply the next coat when the substrate has absorbed the previous coat and is no longer shiny.
- Do not leave damp spots on the substrate. It should look dry.
- Ensure sufficient ventilation is maintained during the course of application
- Total curing time is minimum 48 – 72 hours depending on temperature, humidity and other atmospheric conditions.

### TECHNICAL INFORMATION

<b>Appearance</b>	Colorless, hazy solution
<b>Odor</b>	Mild, characteristic
<b>Density</b>	0.9 ± 0.1 g/cm <sup>3</sup>
<b>Flash point</b>	About 45°C

### CAUTION

- Proper protective equipment should be used at all times during application
- CS Stone Impregnation does not protect stones from strong acid
- Avoid application during heavy rain