



CL – STONE IMPREGNATOR C31S

NATURAL SOLVENT-BASED STONE IMPREGNATOR

DESCRIPTION

CL – Stone Impregnator C31S is a solvent based hydrophobic impregnator based on alkylalkoxy silane component for the treatment of natural stones and mineral substrates. However, CL – Stone Impregnator C31S is not a coating material and acidic substances such as orange juice, soft drink, alcohol etc. may still etch the surface of the treated marble or granite. Upon application, it penetrates deep into the substrate and does not form a film on the surface. It permits breathability, thereby reducing any possible salt blooming, efflorescence, mold and algae growth. It protects the substrate from staining by water, oil, coffee, tea, beverages etc. It does not change the colour of the substrate, thereby maintaining its natural look. CL – Stone Impregnator C31S does not have any effect on the adhesion properties of a substrate and can be applied on six sides of the stone before installation.

FIXES

Can be used for treatment of most natural stones and mineral substrates like polished / unpolished marble, granite, mineral based artificial stone, sandstone, tiles and the like.

FEATURES

- Minimise stains
- Prevents water, oil and the like from penetrating into the substrate
- High impregnation depth
- Non-tacky finish
- No visible colour change for the substrate
- Protection against moisture-induced damage
- Ultra-violet resistance
- No freeze / thaw problems

PHYSICAL PROPERTIES

Appearance	:	Clear liquid
Odor	:	Solvent like
Specific Gravity	:	~ 0.785 @ 28°C
Adhesion Strength	:	≥ 0.5 N/mm ² (coated on marble)
Water Absorption	:	≤ 0.05% @ 24 hr (on unpolished marble)

COVERAGE

Depending on the porosity of the stone, the coverage is approximately 15 – 25 m² per litre per coat.

SUBSTRATE PREPARATION

Surface to be treated must be clean, dry, free from dust, dirt, oil, grease, wax etc. No priming is required.

APPLICATION

Apply by brush, roller or airless spray in excessive quantity so that sufficient CL – Stone Impregnator C31S can penetrate deep into the substrate. For spraying method, a distance of 5 – 10 cm from the substrate is recommended in order to prevent from atomization.

Impregnation is only completed when the substrate is fully saturated with the impregnator solution in that there is no further absorption within one minute period. Depending on the material porosity, 2 applications may be needed to achieve saturation. Further impregnation may be necessary for very absorbent substrate. Allow 20 – 30 minutes lapse between each application.

Allows CL – Stone Impregnator C31S to dry for about 2 hours before removing the excess material with a fine pad or cloth equipped polish machine. Manual removal can be done at after about 30 minutes with rougher cloth.

After the application, leave the treated surface for at least 48 hours before cleaning with normal cleaning detergent.

RETREATMENT

The stone once impregnated can be re-impregnated at any time, as it does not give any wetting problems. However, exercise care to check if the surfaces have been waxed.

CAUTION

Owing to the varying mineral compositions of natural stones depending on the locations that they are harvested, it is best that the stone is first tested with the impregnator for discoloration or others before proceeding with the application work.

SHELF LIFE

2 years in unopened container, stored in a cool and dry place.

SAFETY MEASURES

Flammable! Keep away from heat, sparks and open flame.

PACKING

Available in 5 and 20 litre tin.

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Disclaimer: Specification are subject to change without notification.

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