

Silicon Sealer

Description

Nutech single pack silicon concrete, masonry and terracotta sealer has been developed for alkaline and non-alkaline building materials to impart water repellency to absorbent materials. The sealer is solvent dilutable and produces rapid surface water repellency producing a beading effect within a few hours and complete curing within 24 hours.

Recommended for concrete and terracotta floors and roof tiles.

Typical Properties

Appearance:	Clear, slightly cloudy liquid
Per Cent Volatiles:	>95% (Highly Flammable)
Specific Gravity:	0.9
Solubility In Water:	Immiscible
Flash Point:	32 Deg.C.
Thinners:	Alcohols, mineral turps, white spirits, hydrocarbons
Solids:	6-10%

Applications & Features

Refer to the Silicon Sealer Material Safety Data Sheet and the Nutech Concrete Sealer Application Guidelines for complete product and safety information before using product. Silicon Sealer is highly flammable and skin contact should be avoided. Ensure adequate ventilation at all times. Seek immediate medical advice if safety or health issues arise.

Nutech Silicon Sealer is an impregnating agent suitable for a wide range of porous substrates. Complete cross-linking is developed within 24 hours of application, providing resistance to alkalis. Features of Nutech Silicon Sealer include:

- Excellent penetration capacity
- Extremely high alkali resistance
- Tack free drying
- Application to slightly moist materials possible
- Non glossy finish
- Non-yellowing
- Does not affect surface colour or texture
- Fast drying & rapid development of water resistance
- Suitable for wide range of substrates including concrete, mineral plaster, cement sheet, limestone, sandstone, brick masonry and rendered surfaces. (Not suitable for plaster of Paris)

Application Guidelines

Application by spray, brush, broom or roller is suitable. The solution should be applied to saturation without pressure and in several (2-4) coats. Application guidelines are provided below;

Concrete & Terracotta	0.3 – 0.5	l/m.sq.
Plaster	0.5 – 1.0	l/m.sq.
Sandstone	0.4 – 0.7	l/m.sq.
Brick Wall	0.4 – 2.0	l/m.sq.
Cement Sheet	0.1 – 0.3	l/m.sq.
Natural Stone	0.1 – 0.3	l/m.sq.
Aerated Concrete	0.5 – 2.0	l/m.sq.

The container must be stored at temperatures not exceeding 30 degrees Celsius and protected from direct sunlight. Containers must be sealed airtight as the Silicon Sealer reacts with atmospheric humidity. Stored correctly the product has a shelf life of 6 months.

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Application Warnings

It is essential that you test on terracotta pavers before using to ensure that the original colour and appearance is unchanged. The reaction of Nutech Silicon Sealer on different brands and batches of pavers will vary greatly and individual jobs should be thoroughly tested before sealing whole jobs. A number of pavers on every specific job should be individually tested to satisfy the client that the sealed appearance of the Pavers is satisfactory. Ponding, pooling or runs in the sealer during application may result in a patchy or unattractive appearance. Mop or broom to remove all excess sealer immediately after application. If ponding occurs mopping or washing immediately with Nutech Thinners will disperse the product. Refer to Nutech for an alternative product recommendation in these cases.

Do not apply the Silicon Sealer late in the day as the risk of surface damage caused by dew and condensation increases. Sealer affected by moisture loses gloss and may appear milky.

Silicon Sealer contains flammable solvents and suitable safety precautions must be taken during handling and application.

Ensure adequate ventilation if applying in enclosed spaces. Avoid contact with naked flames, sparks, pilot lights and other sources of ignition.

Avoid contact with eyes and skin. Read 'Safety Directions' on container.

Avoid contact with all forms of glass, including windows or windscreens as the sealer will chemically adhere to the surface and can not be removed.

SILICON SEALER SHOULD NOT BE USED ON BLUESTONE PAVERS

Refer to the Material Safety Data Sheet for additional safety and user information.

Important Note

The information given in this data sheet is based on many years experience and is correct to the best of our knowledge. However since the use of product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.