

Lithofin NanoTOP High Performance Protector for Natural Stone

Description

A special LITHOFIN product developed for professional use. This high performance impregnator contains highly active water and oil repellent nano-particles based on polysiloxanes in organic solvents.

Properties

Lithofin NanoTOP is liquid, colourless, ready-to-use, and easy to apply. It protects natural stone against staining, without changing the natural appearance of the surface.

Effectiveness: the active components build a thin, invisible film inside the capillary system of the stone, which repels water, oil, and grease. The time oil and other substances can remain on the surface without leaving any trace depends on the type of stone as well as the properties of the surface.

Estimates based on Lab Tests:

approx. 48 hours on limestone

approx. 72 hours on polished granite, though values of 168 hours are achievable on some materials (e.g. imperial white, multicolour and others).

During this time, substances such as oil can be wiped off the surface without leaving any stains.

The water permeability of the stone remains intact.

The product is UV-resistant and does not yellow.

Technical Data:

Density: approx. 0.8 g/cm³

Flashpoint: >23°C

Appearance: colourless

Odour: aromatic

Field of Use

Protects against staining and simplifies the maintenance of nearly all natural stone surfaces. Suitable for sensitive surfaces such as kitchen work tops, table tops, window sills, vanity tops, bathrooms, etc.

Surfaces: granite, gneiss, and gabbros with polished or rough surfaces. Highly suitable for engineered stone.

Attention: limestone and marble remain acid-sensitive.

The surface of some types of honed or brushed stone (e.g. nero assoluto, nero impala) becomes darker.

Directions for Use

The area to be treated must be absorbent, completely dry, clean as well as free of oil, wax and grease. The surface temperature must lie between 10°C and 25°C. Always test the product on a spare piece.

Apply Lithofin NanoTOP undiluted and evenly with a clean brush, roller or cloth. On highly absorbent surfaces, the application may have to be repeated after about 10 min. Allow to penetrate for 20 min. Important for unpolished surfaces: do not allow the surface residues to dry, wipe off with clean cloth. On polished surfaces: product residues can be removed with a micro fibre cloth for up to 12 hours.

Please Note: glass, ceramics, wood, and other surfaces sensitive to solvents must be protected against splashes.

Coverage: depending on the absorbency of the stone.

Estimate: polished granite, gneiss: approx. 15 m²/litre
rough/honed granite: approx. 10 m²/litre
other honed surfaces: approx. 6-20 m²/litre

Drying Time: approx. 30 minutes. Work piece can be transported after 2 hours. Do not use suction cups.

The product will be fully effective after 5 days.

Durability, Aftercare

The impregnator remains effective for about 3 years, depending on the care products used. Strong degreasing or layer forming products are not suitable. To maintain the full effect, touch up the protective treatment once a year with Lithofin MN Stain-Stop or Lithofin STAINSTOP "W".

For regular maintenance, we recommend using Lithofin MN Easy-Clean.

Storage

Keep closed, cool (not under 10°C) and dry. Shelf life: up to two years. Open containers should be used quickly.

Environmental Protection

Contains solvents, free of chlorinated hydrocarbons.

Disposal: liquid product is classified as special waste.

Containers are made of environmentally friendly tin plate. Clean containers can be recycled through collection systems.

Safety

Contents: hydrocarbons, siloxane, resins, auxiliary agents.

Label according to EU-Directive 1999/45/EG:

Symbol Xn, harmful; N, harmful to the environment. Naphtha hydrodesulphurized heavy.

Risk and Safety Phrases:

Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Keep out of the reach of children. Do not breathe vapour. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

First Aid Procedures:

Remove contaminated soaked clothing immediately. In case of inhalation, move victim to open area. In the event of symptoms refer for medical treatment. In case of contact with skin wash off immediately with soap and water. In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice. In case of ingestion, do not induce vomiting. If swallowed by mistake drink plenty of water and seek medical treatment.

Emergency Procedures:

In case of spill or other release, take up with absorbent material (e.g. sand, sawdust, general-purpose binder). In case of fire formation of dangerous gases possible. Suitable extinguishing material: foam, dry powder, carbon dioxide, sand.

Additional information is listed on the Material Safety Data Sheet.

ADR2003		
Unit	Label	Notes on freight papers
a, b	UN1993	none, due to limited quantities

Packaging

- a.) 1 litre bottle with child-proof cap (10 per box)
- b.) 5 litre canister (2 per box)

Please Note: statements concerning environmental and safety issues refer to the product as delivered (concentrated).

This information should be considered to be informal and non-binding.

The products must be used according to local conditions and materials.

Always test the product in an inconspicuous area. (GB8.11gps/3.08)

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