

Lithofin NanoTOP High Performance Impregnator

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: ca. 16°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 full effect of the impregnator lasts approx. 3 years. Through regular maintenance with Lithofin MN Easy-Clean the effect can be prolonged almost indefinitely.

Please Note: wipe up any spills immediately. Avoid using strong degreasing or layerforming products. Should the impregnator need to be touched up, we recommend using Lithofin MN Stain-Stop or Lithofin STAINSTOP >W<.

Storage

Keep closed, cool (not under 10°C) and dry. Shelf life: up to 2 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

Safe for areas where food is handled – this Lithofin product has been tested according to EU-Ordinance 1935/2004 by an independent institute. The product is considered safe for treating natural and artificial stone surfaces that come into direct contact with food stuffs.

Ingredients: >30% hydrocarbons, siloxane, resins, auxiliary agents.

Labelling according to EU-Directive 1272/2008(CLP):

GHS Symbol 02, 07, 08, Danger

Hydrocarbons, C9-C10, n-alkanes, isoalkanes. Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Store locked up. Dispose of contents and container in accordance with local and national regulations.

ADR 2015: labelling for transport

Unit	Label	Notes on freight papers
a)	LQ	none, due to limited quantities
b)	3, UN1993	UN 1993, Flammable liquid, n.o.s., (turpentine substitute, n-butyl acetate), class 3, PG II

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. (GB5.17sz/5.17)