

8637 Stone Protection

PRODUCT DESCRIPTION

8637 Stone Protection is a ready-to-use, water-based high-performance impregnation for absorbent, mineral substrates. It provides long-lasting protection against water, oil, dirt and environmental influences, reduces re-soiling, and inhibits the growth of algae, moss and microorganisms. The product forms an invisible, breathable protective layer that preserves the natural appearance of the surface and significantly simplifies cleaning.

Applications

- Natural stone surfaces (granite, sandstone, limestone, slate, marble)
- Concrete and exposed concrete
- Clinker, brick, terracotta
- Paving stones, footpaths, terrace slabs
- Exterior and interior façades and masonry
- Gravestones and monuments
- Parapet walls, copings, balustrades, stair elements
- Architectural and precast concrete elements
- Protective treatment for mineral construction surfaces in outdoor environments

PROPERTIES

- Water-, oil- and dirt-repellent
- Easy-to-clean effect
- Invisible protective layer – no noticeable change on most stone surfaces
- Breathable finish – does not seal the surface
- Reduces algae, moss and mould growth
- Reduces the formation of efflorescence
- UV- and weather-resistant
- Alkaline-resistant up to pH 10–11
- Fast drying and non-sticky
- Solvent-free and free from PFAS, PFOA and PFOS
- Non-flammable
- Slightly acidic formulation (pH approx. 4–5)

PRODUCT SPECIFICATIONS & CHEMICAL PROPERTIES

Base	Water-based silane/siloxane formulation
Active content	Approx. 5–10 %
VOC content	< 1 %
Flash point	> 100 °C (non-flammable)
Layer thickness	No surface film; functional penetration depth approx. 1–10 µm (depending on porosity)
Density	Approx. 1.05 g/cm ³
Ph value	Approx. 4–5
Odor	Faint, characteristic
Color	Milky-white in liquid form; dries colourless (a slight darkening of very dark stone may occur)
Consumption	Approx. 10–15 m ² per litre (depending on absorbency and surface structure)
Temperature resistance	Up to +120 °C continuous, +150 °C short-term
Shelf life (liquid)	12 months at 20 °C (unopened, stored correctly)
Storage	Cool (max. 20 °C), dry, well-ventilated, frost-free, sealed in original container
Durability of coating	Typically 3–10 years depending on substrate and exposure

PFAS INFORMATION

8637 Stone Protection contains no PFOA, PFOS or other PFAS compounds.

APPLICATION & PROCESSING

Preparation

- Surface must be clean, dry and free from detergents, dust, oils and residues
- Application temperature: +10 °C to +25 °C
- Apply undiluted
- **Always carry out a test area prior to full application**

Application

- Apply evenly until the surface appears uniformly damp
- Suitable tools: brush, roller, microfibre applicator or low-pressure sprayer (max. 4 bar)
- Avoid aerosol formation
- Wipe or distribute any excess after a short dwell time
- Protect from moisture during curing (approx. 48 hours)

CLEANING & CARE

No aggressive or acidic cleaners are required. Coated surfaces can be cleaned easily with water or mild cleaners (e.g. CCM Bio Cleaner Biosativa®). Do not use abrasive pads or strong acids.

Regular maintenance extends protection performance.

QUALITY STANDARDS – TESTS

- Hydrophobicity test: excellent water beading (contact angle > 110°)
- Oleophobicity test: resistance to oil, grease and common organic contaminants
- UV and weather resistance: no visible change after extended outdoor exposure
- Chemical resistance: resistant to pH 3–10, salt water and standard cleaning agents
- Breathability confirmed (no reduction in vapour diffusion)
- No visible change on natural or concrete stone (slight darkening possible on very dark stone)

PACKAGING UNITS & VARIANTS

- **8637-1:** 1 litre bottle
- **8637-5:** 5 litre canister
- **8637-20:** 20 litre canister
- **8637-200:** 200 litre drum
- **8637-1000:** 1000 litre IBC

No concentrate version available.

SAFETY & TRANSPORT

- Not classified as hazardous under CLP Regulation (EC) 1272/2008
- Contains isothiazolinone preservatives – may cause allergic reactions
- WGK 1 (low water hazard), non-flammable, not subject to ADR transport regulations

HS Code 3402 9090