

GUARD SLIP RESISTANT®



NON-SLIP TREATMENT FOR SLIPPERY MINERAL SURFACES

- WORKS IN ONE APPLICATION
- LONG LASTING EFFECT
- NON-CORROSIVE AND NON IRRITANT

- NOT HARMFUL EVEN TO FRAGILE SUBSTRATES
- INTERIOR AND EXTERIOR

PRODUCT DESCRIPTION

A simple application of Guard Slip Resistant® makes slippery surfaces non-slip.

All anti-slip products currently on the market depend on varying concentrations of hydrofluoric acid as their essential component. This component is an extremely corrosive acid that acts by destroying the silica. All generally slippery materials are inorganic materials containing greater or lesser amounts of silica, which takes the form of crystals.



1 - Untreated substrate

When a product based on hydrofluoric acid is applied to a substrate, these crystals are destroyed and leave holes which will create a «suction» action.

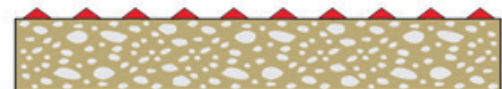
The main problem with this approach is that it requires the use of anti-slip products that are highly dangerous to handle and that often significantly alter the appearance of the substrate, while encouraging a build-up of dirt because the holes quickly become filled with dirt and dust.



2- Substrate treated with a hydrofluoric acid

Guard Slip Resistant® is a revolutionary product which also makes use of the silica contained in the materials but which uses a chemical reaction to effectively graft new molecules onto the substrate molecules. This creates a non-slip action that is not only more effective and longer-lasting but leaves the substrate practically unchanged.

Guard Slip Resistant® is also a completely safe product and no special precautions are required when handling it. Its pleasant odour enables it to be used without problems even in closed rooms. It also makes substrates much easier to clean than when treated with hydrofluoric acid.



3- Substrate treated with Guard Slip Resistant®

USE

Guard Slip Resistant® can be used indoors and out on inorganic surfaces composed of silica, including natural stone, concrete, terrazzo, tiles and enamel. It is used by industry, local authorities, old people's homes, entrance halls, sports halls, swimming pools, pedestrian areas, kitchens, shower and bath trays, and wherever floors are slippery especially when wet.

CHEMICAL NATURE

Silicon derivatives in an aqueous phase.

ADVANTAGES AND CHARACTERISTICS

- Harmless to substrates.
- Non flammable.
- Safe.
- Easy to use.
- Long-lasting effects.

ENVIRONMENT

Ecological and respects the environment:

- Water-based product.
- Biodegradable > 90% in 5 days*.
- VOC < 1 g/l*.

CONTAINERS

750 ml and 5 litres.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Colour	: Blue
Odour	: Scented
pH	: 4 ± 0.5
Relative density	: 1.01 ± 0.05
Solubility in water [vol/vol]	: Total
Flashpoint [°C]	: Not applicable

HOW TO USE

Surface preparation :

- Apply the product to a surface that is clean, dust-free, grease-free and dry. To remove stains and marks of pollution use Guard Wash® Express. In case of greasy stains use Guard Cleaner® Degreaser. For efflorescence, laitance or concrete bloom use Guard Remover® Efflorescence & Cement.
- Rinse carefully until the surface is completely free from any cleaner marks and let dry 24/48 hours before applying the treatment.

Application :

- Use neat, do not dilute.
- Shake the product well before use.
- Always carry out a preliminary test.
- Pour or spray the product onto the substrate. Ensure product remains uniformly present across the entire surface during the application. Add more product if necessary.
- **Do not allow the product to dry throughout the period of its application.**
- Allow to act for 40 to 60 minutes.
- Then rinse carefully with water.
- The treated substrate can be used immediately.
- Depending on the substrate and the degree of resistance to friction desired, repeat the operation.

APPLICATION TOOLS

Apply using a low pressure spray unit or hand sprayer.



MAINTENANCE

Regular maintenance of the non-slip treatment must be done using dilute Guard Slip Resistant® (20% product to 80% water).

COVERAGE

The following values are for guidance only:

8 to 10 m² / litre.

CLEANING YOUR EQUIPMENT

- Clean tools and equipment immediately after use with water.

STORAGE

- Keep in a dry place (between 5°C and 30°C).
- Storage: 24 months following the production date when kept in the original unopened container.

* Calculation based on the components' data.

RECOMMENDATIONS

- Treat surfaces only after first removing all stains.
- **On certain substrates the treatment may affect the shine. Always test first. If the shine is affected, increase the dilution of Guard Slip Resistant® but leave to act for the same amount of time.**
- On some types of marble the treatment may not be effective – test before treatment. Do not apply to polished or crystallised surfaces or to plastic paints or acrylic paints.
- If the non-slip effect is not obtained after the first application, apply a second time.
- For ideal application and effective results, **Guard Slip Resistant®** must be used when the temperature of the substrates is between 5°C and 30°C.
- Do not apply in the rain or in very hot weather. Air temperature between 5°C and 30°C.

HEALTH AND SAFETY

- Respiratory protection : Under normal conditions of use where adequate ventilation is available, no special respiratory protection equipment is needed.
- Hand protection : Wear latex gloves.
- Skin protection : No special protective clothing or skin protection is required under normal conditions of use.
- Eye protection : If there is a real risk of splashing, wear protective goggles.
- If swallowed : Do not induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL SUPPORT

GUARD SPECIALITY PRODUCT LIMITED

Tel : +91 7829807395

E-mail : info@guardindustry.co.in

www.guardindustry.co.in



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For the most recent version of our data sheet, visit our website www.guardindustry.com

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