

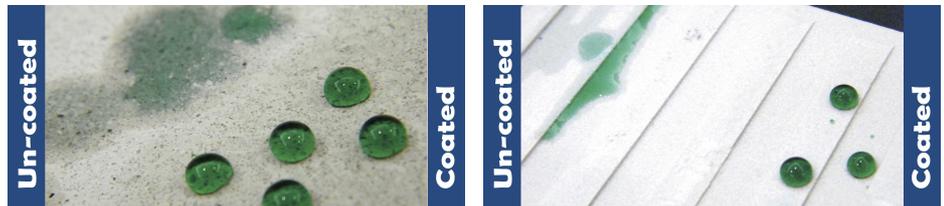
Super Hydrophobic Self-Cleaning Nano Coating for Mineral Stone



Advantages

- Superior water repelling properties – Prevents streak marks and discoloration
- Non-stick and easy-clean – Reduces cleaning time and cost
- Reduces water residue, dirt build-up and corrosion
- Protects surfaces from air pollutants – Prevents surface discoloration
- Reduces mould, moss, fungi, and algae growth by reducing moisture on surfaces
- High transparency and zero visual effects
- Coating thickness of around 100nm – No formation of sticky silicon films
- Heat resistance (up to 4000 C)
- Chemical resistance (up to pH-value of 13)
- Abrasion and UV resistance
- Easy coating and re-coating process (hardens at room temperature)
- Long-lasting protection – up to 5 years in most conditions
- Green and eco-friendly

The strong Nano SiO₂-barrier coating is mainly used in the surface protection and self cleaning of mineral stones. When applied, most of its Nano SiO₂ particles form a transparent nanofilm (with a thickness of around 100 nanometers) on the stone surface, but a portion of the particles would penetrate, providing in-depth surface protection. The film, with lotus effects, is self-cleaning and can greatly reduce cleaning cost and time. It is also highly resistant against abrasion, chemicals, heat and UV radiation.



Main Application

All types of porous mineral-based surface, eg. gas concrete, sandstone, clay, terracotta, roof tiles, building facades, stone paneling, porous granite and porous marble...etc.

Main Application

By spraying and wetting the surface or By standard HVLP system



gas concrete



building facades



porous granite



porous marble



sandstone



stone paneling



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