



LUMINARY CHEMICAL

# LUMICHEM STONE

## Technical Data Sheet



Hydrophobic nanotechnology-based surface coating.  
Engineered for stone surfaces.

English

# DESCRIPTION

LumiChem Stone is an ecologically sound, silica based, ready-to-use, single component molecular coating that forms a long lasting, hygienic quartz glass barrier on all types of porous and non-porous stone surfaces.

The treated surface becomes resistant to oils, dirt, hard water etching, soap buildup, and is easy to clean, hydrophobic, and oleophobic while reducing maintenance time and harsh chemical cleaners. LumiChem Stone features high surface slip, enabling the exceptional self-cleaning effect for all stone surfaces.

## Surfaces Suitable for Application

All stone surfaces including exterior building brick and stone, interior stone flooring, statues, concrete, cement, glass-reinforced concrete (GRC) and glass-reinforced plastic (GRP), marble, limestone, and any other open pore or polished stone surfaces.

## Additional Information

Surface must be free of all soil, dirt, oils, and sealers. Test surface in an inconspicuous area before application.

Application may be done by use of spray equipment, pump or hand sprayer, immersion, padding, or by roller. For smaller volumes, spray LumiChem Stone onto substrate and ensure product is wiped onto all designated areas.

If product pools, spread the excess evenly until all is absorbed. Polished surfaces may be buffed in a circular motion to remove any streaking. If streaking persists, dampen cloth slightly with product and buff in circular motion.

Stone must be cleaned or washed to remove any dirt, additives, or washing agents prior to application. Apply at temperatures of 5°C/41°F to 25°C/86°F.

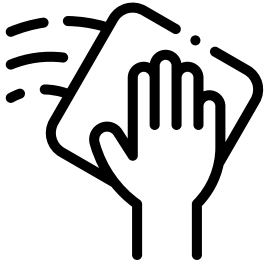


### NOTE

LumiChem Stone is a water-based formulation. Always ensure that the surface is safe for brief contact with water before application.

# DIRECTIONS FOR USE

Surface must be dry and free of all soil, dirt, oils and sealants. Application may be done by use of spray equipment, pump or hand sprayer, immersion, padding, or by roller. For smaller areas, spray LumiChem Stone onto the surface and ensure the product is applied onto all designated areas.



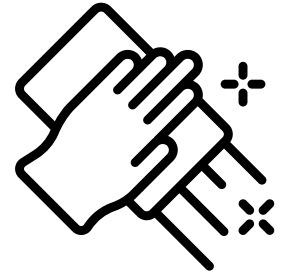
## Step 1

Clean surface to be treated, ensuring a dry finish. Water or mild stone cleaner is okay.



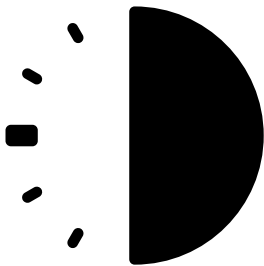
## Step 2

Spray LumiChem Stone onto the stone surface using a sprayer of your choice.



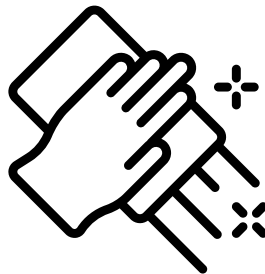
## Step 3

Polished surfaces may have the coating wiped on using a clean microfiber cloth.



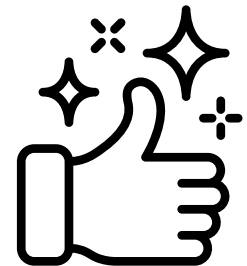
## Step 4

Wait at least 30 seconds to allow the coating to bond with the surface.



## Step 5

For polished stone, wipe surface clean with a clean microfiber cloth.



## Step 6

Allow LumiChem Stone at least 3 hours to dry at ambient temperature before use.

# SPECIFICATIONS

|                     |                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Curing Time</b>  | LumiChem Stone stabilizes minutes after application and may experience light use. 12 hours is ideal for full cure at ambient room temperature.                                                                       |
| <b>Coverage</b>     | Coverage of LumiChem Stone depends on the absorbency of the surface and the application method, but is typically around 30 - 50 ml/m <sup>2</sup>                                                                    |
| <b>Maintenance</b>  | Treated surface may be cleaned as normal. Mild cleaners and less frequent cleaning is acceptable.                                                                                                                    |
| <b>Features</b>     | Invisible, skin friendly, easy cleaning, long lasting & durable, unaltered surface breath-ability, short drying period, environmentally friendly, flexible, soil and dirt rejecting, hydrophobic, oleophobic, inert. |
| <b>Resistant To</b> | Water, humidity and oil, soil & stains, bacteria & other microbes, mold & algae, ultraviolet (UV) rays, acid and alkaline, abrasion, hydrolysis, high temperatures.                                                  |
| <b>Ingredients</b>  | Proprietary SiO <sub>2</sub> formulation dissolved in water.                                                                                                                                                         |
| <b>Precaution</b>   | The use of latex gloves is recommended as the product may dry skin.                                                                                                                                                  |
| <b>Handling</b>     | Refer to MSDS Sheet.                                                                                                                                                                                                 |
| <b>Containers</b>   | Size of containers on demand                                                                                                                                                                                         |
| <b>Shelf Life</b>   | 1 year for an unopened original container. Opened product should be used as soon as possible. Keep in a cool, dry place.                                                                                             |

# SAFETY WARNING

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## Handling and Storage

- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Exposure Controls / Personal Protection

- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
- Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection is not required under normal conditions of use.



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