

# CS NANO SHIELD

Surface Protector



## PRODUCT DESCRIPTION

CS Nano Shield is a ready-to-use solvent-based stone impregnator that provides a durable, subsurface, transparent, protective barrier against oil and liquid on stone, tile and grout surfaces. It is specially designed for low-porosity stone, unglazed tile, grout, terracotta. It provides oil and water repellency, stain resistance and easy clean up.

## ADVANTAGES

- Durable
- Easy penetration on low porosity surfaces
- Stain resistance
- Oil and water repellency
- Easy stain cleanup
- No significant color alteration of stone
- Can be used on both polished and unpolished stone
- Tack-free hardening

## PERFORMANCE COMPARISON

Treatment	Oil Repellency	Water Repellency	Stain Resistance
<b>CS Nano Shield</b>	Excellent	Excellent	Excellent
<b>Silicone (solvent)</b>	Poor	Excellent	Poor
<b>Untreated</b>	none	none	Very poor

**Note:** Performance is affected by nature of stone. Patch test highly recommended.

## APPLICATION AREAS

- Indoor/outdoor
- Granite
- Marble and limestone
- Onyx and travertine
- Flagstone
- Ceramic
- Recommended for areas prone to food and liquid spills

## COVERAGE ESTIMATES

Approximately 10 – 25 m2 per liter. Usage depends on porosity of surface being treated.

## STORAGE AND SHELF LIFE

CS Nano Shield has a shelf life of approximately 1 year when stored in original container in a cool and dry place.

## APPLICATION INFORMATION

### Surface preparation

- Surface should free of dirt, debris, oil and other loose particles
- Wax, epoxy or anything coatings should be removed before application
- Surface should be washed and dried in order to remove salts like nitrates, sulphates and chlorides as they can reduce porosity of the surface and result in incomplete impregnation (inquire for specialty cleaning products for natural stone)

### Application

- Patch test highly recommended to evaluate any appearance changes of the surface and examine efficacy of the impregnator
- Use a saturated brush, roller or mop to apply CS Impregnator to thoroughly wet the surface to be treated.
- Make sure the surface is saturated with the liquid for about 15 – 30 minutes, and then wipe off the remaining liquid with a sponge.
- Ensure sufficient ventilation is maintained during the course of application
- Total curing time is minimum 72 hours depending on temperature, humidity and other atmospheric conditions

## TECHNICAL INFORMATION

<b>Appearance</b>	Clear liquid
<b>Odour</b>	Mild
<b>Density</b>	0.8 ° 0.1 g/cm3

## CAUTION

- Proper protective equipment should be used at all times during application
- CS Nano Shield does not protect stones from strong acid
- Do not use on surfaces on which adhesives are going to be applied.
- Extremely worn out surfaces to be resurfaced before application