

# NANO-CERAMIC®



[WWW.NANO-CERAMIC.COM](http://WWW.NANO-CERAMIC.COM) THE NEXT GENERATION COATINGS



**Protector** Shoe Bag Jacket

# SIFX

## Leather / Suede / Fabric Protection

### Type ID:

SIFX0100 100ml

SIFX0250 250ml

SIFX020L 20L

### Description:

Fabric & leather protector

### Used for

Footwear, clothes, etc.

### Color

Transparent (invisible)

### Thickness

2 micron

### Technology

Water-based Polymer



### Product ID: SIFX

#### Protectant for Footwear, Bags, Jackets & more

SIFX Leather and Fabrics Protector provides a flexible, high-tech, nano layer that forms a barrier against water, and dirt that can be used on shoes, bags, jackets, and any other application on fabrics, and original leather.

A standard pair of leather shoes will need about 10-12ml, boots or bags will need more depending on their size and the surface. Leather needs less and fabrics need more.

#### Advantages of Shoe and Bag protection

The SIFX nano layer keeps the surface protected by effectively repelling dirt and water.

The nano layer is flexible, breathable, completely invisible, and makes fabrics and leather much easier to clean.

#### Technical info

It is optimized for long-lasting protection by forming tough molecular bonds to give it an ultra strong grip on surfaces.

Fabric & Leather Protector uses a flexible water-based type of sol-gel system.

A combination of organic and inorganic nano-scale compounds combine to form a fully flexible, breathable, invisible layer that chemically bonds to the treated surface.

The best results are achieved on shoes and bags in new or almost new condition, and free from contamination and dirt, as the nano layer can only attach to clean surfaces.

Spray the surface until saturated and allow to dry for at least 24 hours. Can be cure ambient temperature or with hair blower.

Experience the future of material protection with SIO7, advanced Water-Repellent Technology for Everyday Practicality.

# SIO7

## Smooth Shiny Leathers / PU or PVC Protection

### Type ID:

SIO70050 50 ml

SIO71000 1L

### Description:

Fabric & leather protector

### Used for

Footwear, clothes, etc.

### Color

Transparent (invisible)

### Thickness

4-6 micron

### Technology

Organosilane



### Product ID: SIO7

#### Protectant for Footwear, Bags, & more

Advanced Organosilane Coating

Enhance the durability and appearance of your footwear and accessories with SIO3, a high-performance organic polysilazane-based coating.

#### Advantages of Shoe and Bag protection

Designed to provide superior protection against water, dirt, and daily wear, SIO7 forms a flexible, breathable, and invisible nano-layer that adapts to the material's movements without cracking or peeling.

SIO7 is particularly effective on non-absorbent surfaces, including smooth or high-gloss leather, synthetic leathers, and plastic-layered materials.

Its formulation offers exceptional anti-scratch, hydrophobic, and dirt-repellent properties, making it ideal for items exposed to challenging conditions.

#### Technical info

The application process is straightforward: ensure the surface is clean and free from contaminants, apply SIO7 evenly using a clean cotton pad until the surface is uniformly coated, and allow it to dry for at least 24 hours at room temperature. For accelerated curing, a hairdryer can be used.

A standard pair of leather shoes requires approximately 5–10 ml, though coverage may vary based on the size and material of the item.

Experience the future of material protection with SIO7, where cutting-edge hydrophobic innovation meets daily durability.



# SIO4/SI24

## Leather / Suede / Fabric / PU or PVC Protection

### Type ID:

SIO41000/SI241000 1L

### Description:

Fabric & leather protector

### Used for

Footwear, bags, etc.

### Color

Transparent Gloss/Matte

### Thickness

6-8 micron

### Technology

Modified Organosilane



### Product ID: SIO4 Transparent Glossy, SI24 Transparent Matte

### Protectant for Footwear, Sportswear & More

Advanced Organosilane Hybride Coating

Introducing SIO4/SI24, a state-of-the-art protector that combines the resilience of polymers with the advanced properties of organosilane chemistry.

### Advantages of Shoe protection

This innovative formulation creates a flexible, breathable, nano-layer that provides superior protection against harsh chemicals, oils, and strong cleaning agents, while adapting seamlessly to the material's movements without cracking or peeling.

The organosilane components in SIO4/SI24 form strong covalent bonds with the substrate, resulting in a dense, cross-linked siloxane network. The reinforcement further contributes to the coating's durability, making them water and dirt repellent, self-cleaning, easy to clean. Resulting in better ball contact in rainy conditions.

SIO4/SI24 is specifically designed for non-absorbent and semi-absorbent materials, including synthetic fabrics with polar surfaces such as polyester (PET), nylon (polyamide), and polyurethane (PU). The coating is also compatible with plastic-layered and PU football shoes,

### Technical info

Application Instructions: SIO4/SI24 is intended for application in controlled factory settings using specialized spray equipment. Ensure the surface is clean and free from contaminants before application. Apply SIO4/SI24 evenly using appropriate spraying techniques, and allow it to dry for at least 24 hours at room temperature. A standard pair of leather shoes requires approximately 10–15 ml, though coverage may vary based on the size and material of the item.

Experience the future of sportswear protection with SIO4/SI24 —advanced water-repellent technology for peak performance.

# SI11/SI12

## Leather / Suede / Protection

### Type ID:

SI111000 2L

SI121000 2L

### Description:

Fabric & leather protector

### Used for

Footwear, etc.

### Color

Transparent Gloss/Matte

### Thickness

25 micron

### Technology

Modified

Fluoroethylene

vinyl ether



### Product ID: SI11 Glossy, SI12 Matte

### Protectant for Safety Shoes & more

Advanced 2K Ceramic Coating

Introducing SI11 (Clear Glossy) and SI12 (Clear Matte), premium-grade ceramic coatings. These formulations establish a robust, 25-micron protective layer that delivers exceptional resistance to a wide range of chemicals, oils, and cleaning agents are 400°C resistant, making them ideal for demanding industrial environments such as oil and gas, mining, army and firefighting.

### Advantages of Shoe protection

The robust chemical backbone of SI11/SI12 imparts exceptional durability and weatherability. The strong carbon bonds within the structure offer superior resistance to ultraviolet (UV) radiation, chemical exposure, and environmental degradation. This ensures long-lasting protection for safety footwear, making them permanent water and dirt repellent, self-cleaning, easy to clean.

SI11/SI12 are specifically formulated for application on leather and suede safety footwear. Their flexible yet durable nature allows them to conform to the material's movements without cracking or peeling, preserving both the functionality and appearance of the footwear.

### Technical info

Application Instructions: SI11/SI12 are designed for application in controlled factory settings using specialized spray equipment. Ensure that the surface is clean and free from contaminants before application. Apply the coating evenly to achieve a uniform 25-micron thickness. Allow the coated items to cure for ~12 hours as per the manufacturer's recommendations to achieve optimal performance.

Experience the next level of protective coatings with SI11/SI12, where advanced ceramic technology meets heavy industrial-grade performance.

# NANO-CERAMIC®



WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



## ***The Leader in Durability***

*Did you know?*

*That our coatings are made  
of pure silica sand, which is  
the most common element  
on Earth?*

**Dealer**