

## TECHNICAL DATA:

**Hydrophobic Contact Angle:** Between 140 – 150 Degrees

**Non-stick properties:** Very high. Prevents water penetration through the fabric

**Washable:** Between 40 - 50 washes in washing machine

## PHYSICAL & CHEMICAL PROPERTIES:

<b>Kind:</b>	Watery liquid – on water base
<b>Colour:</b>	Colourless
<b>Odor:</b>	Almost odorless
<b>Boiling point:</b>	97 Degree Celsius
<b>Flash point:</b>	n/a
<b>Density:</b>	At 20 Degrees Celsius (approximately 1g/cm <sup>3</sup> )
<b>Solubility in water:</b>	Solvable at 20 Degree Celsius
<b>PH value 500g/L20 Degree Celsius:</b>	About 3 – 5 ph
<b>Dynamic viscosity at 20 Degree Celsius:</b>	About 1.6mPa*s
<b>UV-resistant:</b>	No change after 250 hours with UV machine UVAspot 1000 (UV-light of 295nm, 1000W, Distance 32cm)
<b>Chemical resistance:</b>	pH Value of 1 - 13 Solvent resistant Resistant against household cleaners and laundry detergents
<b>Food approval (inert):</b>	Yes
<b>Oleophobic:</b>	Yes
<b>Breathable:</b>	Yes
<b>Layer thickness:</b>	100-150nm (invisible to naked eye)
<b>Optic impairment:</b>	No
<b>Haptic impairment:</b>	No

## APPLY IN 3 SIMPLE STEPS:

**STEP 1:** Clean/ wash the fabric.

**STEP 2:** Spray / soak the fabric with Silidox Tex until the fabric is soaking wet.

**STEP 3:** Air dry the fabric for 24 hours to complete the curing process.

**Note:** Some fabrics may have been pre-treated with chemicals. For Silidox Tex to take full effect, these fabrics will have to be washed before application of Silidox Tex.

*For Industrial Application, apply on already woven fabric through the foulard process. For further information, please contact us.*

## CARE GUIDE

**In case of a spill:** Dab the spill with paper serviette in a vertical motion until the liquid is fully absorbed. If necessary, spray the stained area with clean water. Continue dabbing until the stain is removed.

**For machine washing:** Refrain from using fabric softener and harsh detergents to preserve the full effect of Silidox Tex.

**For best effect:** After washing the fabric, tumble dry low to enhance its self-cleaning effect.

The  
**Easy-to-Clean Effect**  
can be seen after  
24 hours!

## EXCLUSIVE IMPORTER (ASIA PACIFIC)



**Silidox Asia Pte Ltd**

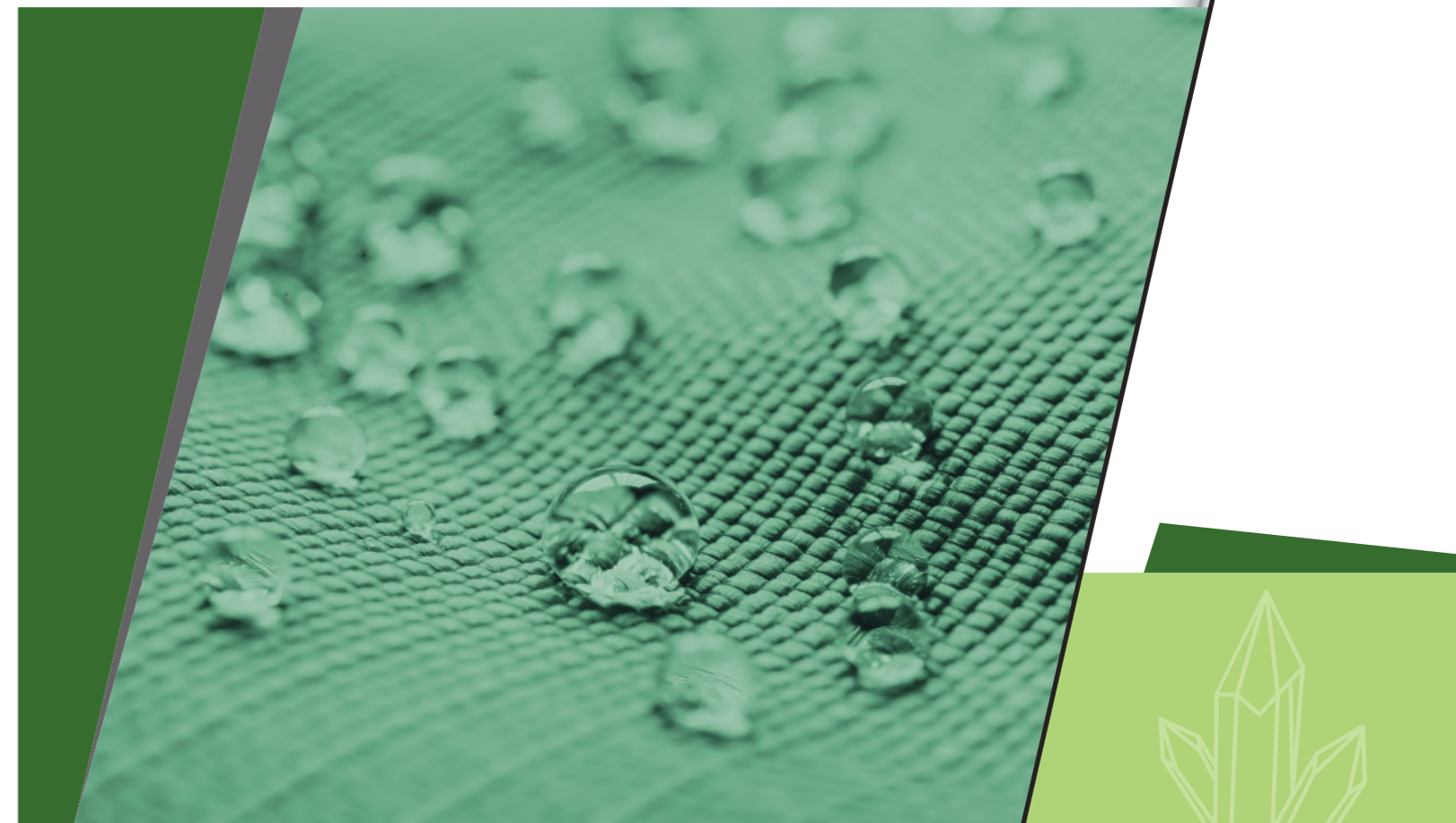
16 Collyer Quay  
#17-00 Income at Raffles  
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**INNOVATION IN  
PERFORMANCE FABRICS**

■ ■ ■ Made in Germany



## SELF-CLEANING PERFORMANCE FABRICS

Dirt, stain and smell on fabrics are unavoidable and tough to clean. Today's customers are demanding for performance fabrics which are **aesthetically pleasing, durable** and **easy to clean**.

Silidox Tex is a self-cleaning water-based coating which offers superior protection against **liquid spills, stains, mould and mild-dew**.

Powered by the latest German technology, we help businesses transform their fabrics to perform better.

## WHAT MAKES SILIDOX TEX UNIQUE

Our customers want something that is both safe and long-lasting.

Safety is our priority. Most fabrics are coated or cleaned with toxic substances which are cancerous to humans. We don't take shortcuts with safety. Silidox Tex is certified safe by European standards.

At the same time, Silidox Tex is long-lasting - minimizing cost, time and waste associated with fabric maintenance. Silidox Tex will continue to work up to 40 - 50 washes and tumble drying, which is a life-time guarantee for some fabrics.

## HOW IT WORKS

Silidox Tex originates from a natural product called Silicon Dioxide most commonly found in nature as quartz and sand.

We have taken the best of nature to develop the perfect solution for fabric protection. Liquid spills will lightly sit and glide off fabrics, like dew droplets on leaf. By limiting absorption and penetration, fabrics self-clean.

This is how Silidox Tex brings the best out of fabrics, in both beauty and function.

### HIGH-TECH BASED ON SIO2

- EASY-TO-CLEAN TOUGH STAINS
- REDUCE MAINTENANCE
- LONG-LASTING PROTECTION

### NATURAL WAY OF PROTECTING

## SAME FABRIC. EASIER TO CLEAN.

Silidox Tex does not alter the fabric's colour, texture or breathability.

### PROPERTIES

- Water and oil-repellent
- Non-stick
- Protection from dirt particles penetrating into fabric fibres
- Anti-bacterial

### LOOK AND FEEL

- Odourless
- Colourless
- Invisible to the human eye
- Will not change fabric colour and texture
- Breathable

### APPLICATION AND USE

- Easy to apply (just spray or soak in bath)
- Dries in 24 hours
- Easy-to-clean (dab stains with serviette and clean water)
- Suitable for machine-washing, dry-cleaning and tumble drying

### SAFETY

- Food-safe (once dried) (inert/ no active chemicals)
- Not toxic for human skin
- Not corrosive
- Solvent-free (alcohol free)
- Not flammable
- Environmental-friendly
- Child and pet-friendly

### DURABILITY

- Resistant against UV (sunlight)
- Resistant against normal wear-and-tear
- Resistant against temperature changes
- Resistant against washing detergents and cleaning chemicals (under pH value 13)

### WHERE CAN IT BE APPLIED

On almost all kinds of fabrics. Works better for some fabrics. For curtains, seat-covers, furniture upholstery and carpets, including wool, suede, velvet, cotton, lace and satin.

See how it works and follow us @

[instagram.com/silidox\\_asia](https://www.instagram.com/silidox_asia)  
[facebook.com/SilidoxAsia](https://www.facebook.com/SilidoxAsia)

**Tough stains from wine or syrup will be a thing of the past!**