

# Care & Maintenance

## Deck & Cladding

FOR SiOO:X-TREATED WOODEN SURFACES



**SiOO:X**  
WOOD PROTECTION

# CARE AND MAINTENANCE

Although the SiOO:X system improves and strengthens wood, surfaces must still be kept free from algae, dirt, atmospheric deposits, etc. Check the surface regularly so you can care for and maintain it as needed. Sioo offers a range of cleaning and maintenance products for this purpose.

## DECK

After applying SiOO:X to your decking you will need to clean the wood surface as needed to keep the wood healthy and maintain an attractive grey lustre for many years. One tip is to do any necessary maintenance on your decking at the start and end of the season. This minimizes the risk of growth during winter and makes maintenance easier.

**Keep in mind that:**

- SiOO:X Premium Wood and Surface Protection are transparent. So the original colour of the wood will show through when the decking is wet. SiOO:X-treated decking should therefore only be assessed when it is dry.
- Areas that are in the shade do not dry as quickly, which accelerates the growth of algae and the like.

### CLEANING LEVELS

#### Light superficial dirt

A. Dry-brush the surface with a stiff, short-bristled or medium-hard brush to remove superficial dirt.

B. If further cleaning is needed in addition to dry brushing, apply SiOO:X Maintenance Wash using a stiff, short-bristled brush. Rinse well to remove the detergent.

**NOTE!** Do not scrub too hard, as this could damage the treated surface. If this happens, apply another coat of Step 2, SiOO:X Surface Protection.

#### Heavier superficial dirt

C. If cleaning according to step B was insufficient, more stubborn surface growth, such as black spores and algae, can be treated with algicides. Use products with a pH of 3–7, which are gentler on the surface protection.

D. The strongest and most effective cleaning treatment is SiOO:X Prewash. This will not affect the wood protection (step 1), but it will remove the surface protection (step 2), which will need to be reapplied.

#### Very heavily soiled

In the case of heavy growth, graffiti, grease or other discolouration that can only be removed by scrubbing with SiOO:X Prewash as described above, you will need to repeat the entire SiOO:X treatment.

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**After about 12–18 months...**is the time to apply a second coat of SiOO:X Surface Protection to the deck, after cleaning with Maintenance Wash.

After about 12 years, clean the surface with SiOO:X Prewash and repeat the entire SiOO:X treatment.



*"The Grand Design House" in West Sussex, UK.  
SiOO:X-treated façade and deck in larch.*

## CLADDING

After applying SiOO:X to cladding it is important to keep the surface clean. Gently dry-brush and clean the cladding if necessary, to keep the wood healthy and promote the development of the SiOO:X protection.

### Keep in mind that:

Cladding should not be cleaned in the first year as the surface protection is particularly vulnerable then. This applies to both SiOO:X Premium Panel and SiOO:X Wood Protective Panel Colours.

### In case of problems with black spores

The SiOO:X system creates a mechanical barrier that prevents algae and spores from penetrating the wood. Because SiOO:X does not contain any strong toxins it cannot prevent black spores from settling on the surface. Periods of rain or damp weather are especially favorable for these airborne spores, which can often be found on areas of wood that are in the shade or exposed to the weather. Black spores need nutrients to grow and they get these from natural sugars in the wood. These substances are leached out of the wood in the first 1–4 years. The presence of black spores also decreases as the SiOO:X silicon shield matures and gets stronger.

## CLEANING LEVELS

**A:** Dry brush gently to avoid removing pigment.

**B:** If necessary, clean gently with SiOO:X Maintenance Wash (pH 7). Avoid products with a pH lower than 5 or higher than 8, as they impair the performance of the surface protection. Never wash with soft soap, a high-pressure washer or the like, as this will damage the SiOO:X treatment.

**C:** If cleaning according to step B was insufficient, more stubborn surface growth, such as black spores and algae, can be treated with algicides. Use products with a pH of 3–7, which are gentler on the surface protection.

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### After 3–7 years...

...now is the time to apply a second coat of SiOO:X Surface Protection, after cleaning with Maintenance Wash. This applies to both SiOO:X Premium Panel and SiOO:X Wood Protective Panel Colours, unlike our decking product. The reason for this difference is that cladding is not exposed to as much water and mechanical wear as decking. It therefore takes longer to mature and turn grey.

After about 15 years, Clean the surface with SiOO:X Prewash and repeat the entire treatment. A shorter duration applies to darker shades of SiOO:X Wood Protecting Panel Colours. Read more at [sioox.com](http://sioox.com).

## **IMPROVEMENT**

Particularly exposed surfaces can be improved and small areas of damage can be repaired by re-coating with the SiOO:X system. You can do this for the entire surface or in patches. The grey pigment is superficial and is easily washed off, but will be restored after a few months and the surface will become more uniform. However, if using SiOO:X Wood Protective Panel Colours, take care when touching up in patches, as you add pigment with each layer.

## **REPAIR**

If the wood surface has been scratched and exposed, apply two coats of SiOO:X Wood Protection and one coat of SiOO:X Surface Protection.

For best results, follow the product instructions, directions, information and national building standards. For more information about treatment and maintenance, and inspiring ideas and advice, visit [sioox.com](http://sioox.com).



# OUR PRODUCTS

## SiOO:X MAINTENANCE WASH

- For maintenance cleaning of SiOO:X-treated surfaces
- Removes light dirt



This gentle product (pH 7) has been specially developed for cleaning SiOO:X-treated wood and is recommended for cleaning both decking and cladding.

Avoid products with a pH lower than 5 or higher than 8, as they impair the performance of the surface protection. Never wash with soft soap, a high-pressure washer or the like as this may damage the SiOO:X treatment. Although a high-pressure washer with a soft rotating soft brush may be used on decking.

### Instructions for SiOO:X Maintenance Wash

1. Apply the product to a surface that is free from dust, pollen and loose particles using a soft brush and leave for 20 minutes. Always wear protective gloves, head protection and eye protection if needed.
2. Carefully brush the surface with a soft brush and then rinse well. Be particularly gentle with Panel Colours to avoid damaging the pigments.
3. Leave the surface to dry.

**Dosage:** according to packaging.

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## SiOO:X PREWASH

- For effective cleaning prior to SiOO:X treatment, to remove traces of existing paint and dirt. Any stubborn remains should be sanded off (particularly on decking). Opens up the grain of the wood to allow better penetration of the SiOO:X system.
- For cleaning particularly exposed or damaged SiOO:X-treated surfaces that are heavily soiled or dirty (for cladding, this product is only used for pre-treating or re-treating with the SiOO:X system).



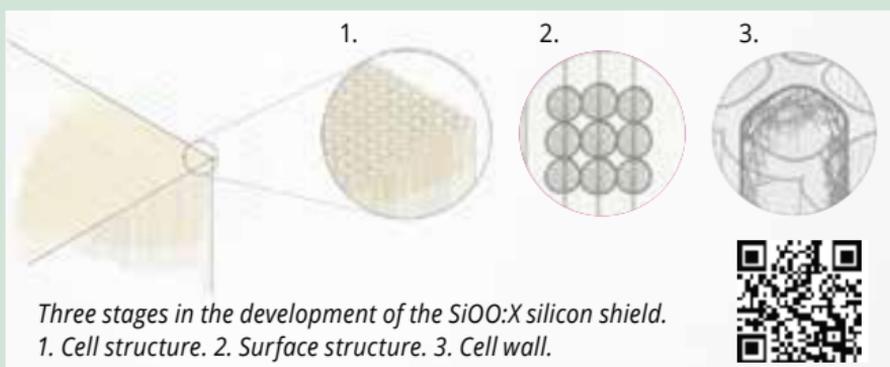
### Instructions for cleaning with SiOO:X Prewash

1. Apply with a paintbrush, cleaning brush or sponge and leave for up to 10 minutes.
2. Scrub with a brush or high-pressure washer with a rotating head (decking). Rinse with water and let the wood dry. Also dissolves and removes SiOO:X Surface Protection. It is therefore important to reapply SiOO:X Surface Protection (step 2) to complete the SiOO:X treatment.

**Dosage:** according to packaging.

## HOW SiOO:X WORKS

SiOO:X essentially consists of a unique combination of silicon and potassium in two liquids that act as a system: wood protection and surface protection. In the first process, SiOO:X opens up the surface and penetrates deep into the grain of the wood. The silicon molecules then penetrate deep inside the wood where they form a network. We call this a silicon shield. (See image below) SiOO:X-treated wood becomes stronger, naturally silver-grey and provides unique multi-protection.



The SiOO:X system mechanically prevents microorganisms from establishing themselves inside the wood. The protective silicon shield inside the wood fibers takes different lengths of time to develop. 0–12 months for decking and 0–4 years for cladding. The fact that SiOO:X develops over time also means that its resistance to staining by black spores and the like improves with time, unlike traditional surface treatment products.

## ABOUT US

Since its inception in 1998, Sioo has conducted research and development of environmentally designed wood protection products for both businesses and private individuals. Our products are based on a patented silicon-potassium technology. We have research and production facilities and offices in Gothenburg, Sweden. Visit our website at [sioox.com](http://sioox.com).

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