

SiOO:X

Patented Wood Protection

Care & Maintenance Panel

For SiOO:X-treated wood surfaces

The SiOO:X system improves and strengthens the wood surface, but the surface needs to be kept free from algae, dirt, debris, etc. Keep the wood surface under regular observation so that appropriate care and maintenance measures can be taken. For this, you can use SiOO:X cleaning and maintenance products.

Panel

SiOO:X panel systems are initially applied by SiOO:X certified applicators globally through industrial application. Maintenance after 3–7 years should be consulted with an industrial applicator.

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

Keep in mind that:

The cladding should not be washed during the first year, as the Surface Protection is especially sensitive. This applies to both SiOO:X Panel Clear and SiOO:X pigmented panel products.

In case of biological growth problems

The SiOO:X system mechanically prevents biological growth and spores from penetrating the wood. Since SiOO:X does not contain strong biocides, black spores may still settle on the surface. Wet and humid periods are particularly favourable for these airborne spores, so they are most often found on weather-exposed and shaded parts of the timber. Black spores require nutrients to grow, which they partly obtain from the wood's natural sugars. These substances are released from the timber during the first 1–4 years. The number of black spores also decreases as the SiOO:X silica shield develops and improves over time.

Cleaning levels:

Only SiOO:X products designed for the system are recommended. They are formulated to protect the base treatment.

- Gently dry-brush so that pigments are not removed.
- Wash gently when needed with SiOO:X Re-Wash (pH 7).
- If that is not sufficient, GreenClean can be used. It is compatible with the SiOO:X system and works effectively against biological growth and algae.

After approximately 3–7 years...

...is it time, after cleaning with Re-Wash, to apply a second coat of SiOO:X Re-Coat for Clear and a pigmented surface protection for pigmented panel. This applies to both Panel Clear and pigmented panel, unlike our deck product. The reason is that the Surface Protection on cladding is not exposed to the same moisture and mechanical wear as decking. Therefore, greying and maturation take longer.

After approximately 15 years, clean the surface with SiOO:X Pre-Wash and repeat the entire treatment. For the darker shades in SiOO:X pigmented panel products, the timeframe is shorter. Read more at sioux.se.

Our products



SiOO:X Re-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 washing both decks and cladding.

Instructions for SiOO:X Re-Wash

- Apply the solution evenly onto a surface free from dust, pollen, and loose particles using a soft brush, and let it act for 15–20 minutes. Use protective gloves, and if necessary, a hat and safety goggles.
- Gently brush the surface with a soft brush and then rinse thoroughly. Be careful with panel finishes so that the pigments are not damaged.
- Allow the surface to dry.

Dosage according to the packaging instructions.



SiOO:X GreenClean

- A product for removing green algae and biological growth, specially adapted for SiOO:X-treated wooden surfaces.
- Compatible with the SiOO:X system and keeps the silicon-based wood and surface protection intact. Also gentle on other surfaces.
- Works immediately, but the time required to achieve a visually completely clean surface may vary. Green algae disappear instantly upon treatment. Biological growth is neutralized immediately, but may still leave black pigmentation for a period of time. It can take up to approximately 6 months to achieve a fully clean surface in cases of growth.

Instructions for SiOO:X GreenClean

- Spray/brush on the diluted product in several passes, wet-on-wet, so that the product penetrates the SiOO:X surface. Preferably work it in with a brush. Be careful with panel coatings so that the pigments are not damaged.
- Do not rinse off after treatment.

Note! It is important that the product is allowed to dry slowly, as it is active while wet. Do not use any drying equipment, and protect the treated surface from direct sunlight and rain. Dosage according to the packaging instructions.



SiOO:X Pre-Wash

- Effective cleaning before SiOO:X treatment to remove previous paint residues, dirt, etc. Any remaining residues should be sanded off (especially for decks). Opens up the wood for better penetration of the SiOO:X system.
- For cleaning extra exposed and damaged SiOO:X-treated surfaces that have been affected by biological growth and heavy dirt (for cladding, the product is only used for pre-treatment or re-treatment of the SiOO:X system).

Instructions for cleaning with SiOO:X Pre-Wash

1. Apply with a brush, scrub brush, or sponge and let it act for about 10–15 minutes.
2. Scrub with a brush or use a pressure washer with a rotating brush (for decks). Rinse with water and allow the wood to dry. This also dissolves and removes the Surface Protection. Therefore, it is important to reapply SiOO:X Surface Protection (step 2) so that the SiOO:X treatment is complete.

Dosage according to the packaging instructions.

Touch-up

An extra exposed surface can be improved and minor damage repaired by applying more of the SiOO:X system. This can be done over the entire surface or locally in patches. The grey colour is superficial and is easily washed away, but it reappears after a few months and the surface becomes more even. When using SiOO:X wood-protective pigmented products, however, you should be careful when performing spot repairs, as pigment is added with each layer.

Repair

In cases of damage where the surface has been scratched and the wood is exposed, apply two coats of SiOO:X Wood Protection and one coat of SiOO:X Surface Protection. For best results, it is assumed that the product instructions and guidelines, information materials, and Swedish building regulations are followed. For more information on treatment and maintenance, as well as inspiration and advice, visit sioox.se.

How SiOO:X works

SiOO:X consists fundamentally of a unique combination of silicon and potassium and works as a system of two liquids: a Wood Protection and a Surface Protection. In a process, SiOO:X opens up the wood and penetrates deeply into the wood structure. The silicon molecules then grow deep inside the wood and form a network. We call this a silica shield. SiOO:X-treated wood thereby becomes stronger, naturally silver-grey, and gains a unique multi-protection.

The SiOO:X system mechanically prevents microorganisms from taking root inside the wood. The protective silica shield within the wood fibres takes varying amounts of time to develop: 0–12 months for decking and 0–4 years for cladding. Because SiOO:X develops over time, the protection against, for example, black spores also improves gradually, unlike traditional surface treatments.

About us

SiOO:X has, since its founding in 1998, conducted research and development of environmentally adapted wood protection products for both private individuals and companies. Our products are based on a patented silicon–potassium technology. We have research, production, and offices in Gothenburg. Please visit us at sioox.se.

Subject to possible changes. The user is responsible for checking any updates at sioox.se. If you have any questions or concerns before using the product, please contact us at info@sioox.se.