

## DIRECTIONS

### PREPARATIONS

Cover furniture and objects made of glass or aluminum as well as stones and tiles – the products are slightly alkaline and can leave stains. Remove any oil, paint, algae, blackened regions and other dirt. Clean the surface with **SiOO:X PreWash**. Rinse with water and allow the deck to dry thoroughly. **CAUTION:** Use gloves and eye protection. Keep out of reach of children.



### REMEMBER

The panel must be dry. New pressure-treated wood should have dried for a few weeks. Minimum temperature for treatment is + 50 °F. Avoid rain from the start until 60 minutes after the coat of step 2, see below. Avoid application in warm sunlight because the treatment will dry too quickly. Wipe away any spills with a wet rag.

**NOTICE:** Shake and stir SiOO:X Premium Surface Protection Panel Pro, before and during treatment, to avoid inconsistent treatment.

### STEP 1 – BASE COAT

Generously apply SiOO:X Premium Wood Protection Panel. Using a wall brush, brush out carefully and let it penetrate the wood. Allow to dry for at least 2 hours. Then apply a second coat and allow to dry for at least 4 hours. Start with applying Wood Protection to the end grain, because it is especially sensitive.



### STEP 2 – FINISH COAT, FIRST SEASON

When the second coat of SiOO:X Premium Wood Protection Panel has dried for at least 4 hours, apply SiOO:X Premium Surface Protection Panel Pro using a broad brush or sprayer/brush; allow the surface to dry for at least 2 hours.



### STEP 2 – FINISH COAT, AFTER 4–7 YEARS

Apply the second coat of SiOO:X Premium Surface Protection Panel Pro after about 4–7 years; for more information please see [sioox.us](http://sioox.us). Carefully clean the surface using SiOO:X Maintenance Wash and a soft brush. Allow the surface to dry well. Apply as described in the instructions for the first coat. In particularly exposed areas apply an extra coat SiOO:X Premium Wood Protection Panel. See [sioox.us](http://sioox.us).



## ABOUT US

Since its inception in 1998, Sioo Wood Protection has conducted research and development of environmentally adapted wood protection products for both businesses and private individuals. Our products are based on a patented silicon-potassium technology. We have research, production and office facilities in Gothenburg, Sweden.

### OUR PRODUCTS:

**SiOO:X Premium Wood Protection Deck** – for decking, docks, outdoor furniture and other wood on the deck.

**SiOO:X Premium Wood Protection Panel** – for siding, fences and other vertical surfaces.

**SiOO:X Premium Wood Protection Marine** – for teak on boats.

**SiOO:X Premium Wood Protection End Grain Sealer** – for treatment of end grain and joints.

**SiOO:X Wood Protective Panel Colours** – for sawn, vertical surfaces such as siding and fences. Available in six shades of gray.

**SiOO:X PreWash** – wood cleaning before SiOO:X-treatment. Cleaning of treated surfaces with heavy dirt and algae growth.

**SiOO:X Maintenance Wash** – for lighter cleaning of wood treated with our wood protection products.

**SiOO:X Pre-treated wood** – high-quality wood with options for custom profiles and dimensions.

For more information about treatment and maintenance, as well as inspiration and advice, visit [sioox.us](http://sioox.us).

*It is not possible for Sioo to warn the consumer about every possible danger related to use of the product and the consumer must use his or her own common sense and good judgement when using the product. Sioo retains the right to update the label as it deems appropriate and the user is charged with the knowledge of the information contained in any such updates. The user can view any such updates at [sioox.us](http://sioox.us).*

Sioo Wood Protection USA, Inc.  
100 Montgomery Street, Suite 1780  
San Francisco, CA 94104  
Telephone: +1 312-447-7710  
E-mail: [usa@sioox.com](mailto:usa@sioox.com)  
[www.sioox.us](http://www.sioox.us)



SiOO:X PREMIUM WOOD PROTECTION  
AND SURFACE PROTECTION

# Panel

FOR DURABLE SILVER-GRAY BUILDING SIDING



Version\_PANEL\_22-09\_US

## INNOVATIVE, ENVIRONMENTALLY ADAPTED WOOD PROTECTION

SiOO:X's Wood Protection products are water-based and environmentally adapted, with a unique patented formula based on **silicate-potassium**.

Our unique products, with their strong bonding properties, provide an outstanding penetration into the wood. You can use the products on all types of wood and on both old and new surfaces. Our products ensure a very long-lasting fresh and natural silver-gray wooden surface.

### MAIN ADVANTAGES\*:

- Up to 12 years durability\*\*
- You get a beautiful natural light silver-gray surface
- Water based
- Helps to resist mildew and increase the wood's own defence against rot
- Requires only simple maintenance
- Environmentally adapted wood protection containing potassium silicate and water
- Strengthens and mineralizes the wood and protects against damaging UV radiation
- Dirt and water repellent
- Vapor-permeable (the wood breathes)

### APPLICATIONS

Facades, siding, screens and other vertical surfaces. For new and old vertical sawn wood surfaces that are clean and have an open-pore texture.

\*See [sioox.us](http://sioox.us) about Product application techniques, Care, Wood species, Tests and proofs etc.

\*\*Lifespan of up to 12 years applies to step 1 – SiOO:X Premium Wood Protection Panel.

Read more at [sioox.us](http://sioox.us) or contact your dealer.



## SiOO:X PREMIUM WOOD PROTECTION PANEL

SiOO:X Wood Protecting system for panels consists of a base coat and an additional finish coat. They strengthen the wood surface and provide a multi-protective silicon shield.

**STEP 1**, base coat, **SiOO:X Premium Wood Protection Panel**. The product opens up and penetrates into the wood. A silica layer forms in the wood that strengthens and protects it for up to 12 years.

**STEP 2**, the finish coat, **SiOO:X Premium Surface Protection Panel Pro**. It penetrates into the wood, fixes the treatment, and forms a water-repellent outer layer.

### INGREDIENTS

**SiOO:X Premium Wood Protection Panel** consists of potassium silicate, natural plant parts and water.

**SiOO:X Premium Surface Protection Panel Pro** consists of silane and siloxane emulsions and water.

For information about rot resistance, including results according to EN 84 + EN 113, see Tests & Proofs at [sioox.us](http://sioox.us). The products should be used above ground, use class 3.

### EQUIPMENT

A container, brush (or brush & paint sprayer), masking tape, brush and rag. Use gloves and eye protection.

### CONSUMPTION:

**SiOO:X Premium Wood Protection Panel:** On sawn panel you will need about 1 gallon for 150–170 sq ft in two coats.

**SiOO:X Premium Surface Protection Panel Pro:** On sawn panel you will need about 1 gallon for 300–340 sq ft per coat.

The products are sold in 1.05 Gallon jugs.

### TIPS FROM THE WOOD DOCTOR:

Vertical panel is drier, cleaner and more durable than horizontal panel. Sawn wood absorbs the wood protection products much better than planed wood and is therefore strongly recommended.

### ABOUT PANEL WOOD

Use sawn wood. Vertical assembly is preferable because it provides better run-off than horizontal; the finish will also be cleaner and have a longer lifespan. SiOO:X Premium Panel penetrates and unites with the wood. Suitable wood species include spruce, pine, larch and cedar. The lifespan of SiOO:X Premium Panel also depends on wood species, construction, maintenance and exposure (weathering). Use stainless/acid-proof screws, nails and fittings. Galvanized nails and screws may become coated with verdigris and leave "tears".

### WOOD DEVELOPMENT

The silicon's curing process takes about 1–4 years. First, the surface is yellowish brown and a little blotchy. The curing and bleaching process starts on contact with water, and after 1–2 years your panel will begin to have a lovely, even silver-gray color. As SiOO:X works physically without anti-algal agents, can for example, extra black spores occur before the process is complete, whereby the wood becomes stronger and cleaner \*. The wooden surface then darkens slightly with time \*.

### CARE AND MAINTENANCE

After about 4–7 years, you may need to surface treat the panel again. Keep the surface clean for best functionality. Debris and growth such as mildew, algae etc. may occur outdoors. The SiOO:X surface may also be affected to some extent on the outside of the silicon shield, especially during damp periods, in shady areas and exposed places.

Actions:

1. Dry brush dirt and mildew off with a dense, medium-stiff brush.
2. Clean regularly with SiOO:X Maintenance Wash (No sooner than after one year)
3. Any growth can be remedied with algicides. Use products with a pH of 3–7, which are gentler on the surface protection. You may need to repeat the panel treatment after 4–7 years. Clean with SiOO:X Maintenance Wash as needed, any unevenness in shade can thereby be adjusted.
4. If needed, apply another layer of SiOO:X Premium Wood Protection and SiOO:X Premium Surface Protection.
5. After about 12 years, clean the surface with SiOO:X PreWash and repeat the treatments