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# SIOO:X Premium Terrace

100% natural wood impregnation

DO NOT APPLY ON GLAZED, PAINTED OR OTHERWISE COATED SURFACES!

## Characteristics:

SIOO:X Premium Terrace is a 100% ecologic impregnation for wooden decks or garden furniture. SIOO:X is solely composed of water, silicate, and potassium and applicable for almost every wooden surface (e.g. spruce, pine, fir, douglas fir, larch, oak, thermally treated timber, bangkirai, teak, eucalyptus, or other tropical timber). Due to its mineral components and subsequent mineralization of the timber, SIOO:X exceeds the lifetime of ordinary oils and glazes by many years. If applied correctly SIOO:X will last up to 12 years. Contrary to regular wood treatments, the surface will appear brighter shortly after the first coating. Your timber will then appear silver-grey – like driftwood.



## Good to know:

- Your timber must not be treated/coated before applying SIOO:X. Timber that has just been treated with wood oil must be left out for weathering for at least 6 months or until the residual oil has been washed out.
- SIOO:X is perfectly suitable for weathered timber (e.g. fences or facades) that has become ungainly, blackish or grey over the years.
- The process of greying sets in after 1-3 weeks on weathered sites. On sites that are better protected from sunlight or weathering, the process may take up to 6 months. However, after this period the surface will appear equally brightened/grey on all areas.
- SIOO:X will deep clean weathered lumber by washing out residual dirt or microorganisms – however this will take a while and may cause temporal discoloration, as organic residuals are enclosed and excreted.

## Application

### 1. Clean surface profoundly.

It is possible to apply SIOO:X on weathered, stained, or dirty timber – however, the process of brightening will take longer and may cause temporary discoloration. In this case, SIOO:X extracts residual dirt from weathered wood – hence it is suited for old, uncoated wooden surfaces that have become ungainly (blackish/grey) over the years. Nonetheless, a deep-cleanse of microorganisms, mold, or fungal decay should always be undertaken in advance. For this you may use our deck cleaner “TERRASSTVÄTT” or moss-, and mold-remover “ALG&MÖGELTVÄTT”.

### 2. Before applying SIOO:X on hot days, moisturize the surface by spraying with water.

Slightly wet/moist wood enhances the ability of SIOO:X to be absorbed into the surface, as the product may evaporate too quickly if directly applied onto warm surfaces. SIOO:X works best if it can penetrate deep into the surface – hence it is advised to prevent the coating from immediate evaporation.

**ATTENTION:** The following steps (3&4) need to be undertaken with little time in between. In between coatings it may not rain – hence you ought to pick a day with no rain in the forecast.

### 3. Now apply the primer SIOO:X Premium Terrace WOODprotection (step 1/2) 2x.

Apply two coatings. Between each application leave to dry for 2-3 hours. After applying the second layer of WOODprotection (step 1/2) wait for 4 hours before applying the last step.

### 4. Now apply SIOO:X Premium Terrace SURFACEprotection (step 2/2) 1x.

This coating is reapplied once after one year. The last coating is only reapplied after all areas have greyed equally over the months.

For optimal long-time protection you now have two possibilities of proceeding.

Either:

#### 5a. Every 10-12 years repeat all 4 coatings.

Depending on weathering and abrasion. Clean the surface thoroughly. After 10-12 years both layers of SURFACEprotection have been worn down, the layers of WOODprotection are washed out after the surface layers are worn down. Hence, you now must repeat all 4 coatings. Afterwards the protection will, once again, last for another 10-12 years.

Or:

#### 5b. After 5-6 years reapply SIOO:X Premium Terrace SURFACEprotection once.

Depending on weathering and abrasion. Clean the surface with mild detergent solution (dish soap). The brightening/greying of the surface may reoccur but remain constant. After 5-6 years the top-layer SURFACEprotection is worn down due to weathering and abrasion. By refreshing the top-layer you extend the coatings' lifetime and further treatment will only be necessary after 10-12, respectively 5-6 years (cf. 5a.&5b).

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## Information & Tips:

- SIOO:X Premium Terrace is suitable **for all wooden decks/patios or furniture** in outdoor areas. As the potassium is slowly moving towards the top, slight discoloration or abrasion stains may occur in the initial phase after coating with SIOO:X. These stains, however, can easily be wiped down with a wet cloth.
- Both components, i.e. silicate and potassium, are **non-toxic** and safe for humans, animals, or plants.
- Once treated with SIOO:X, wood will become **fire-retardant and hardly flammable** due to the mineralization process. Thus, it is ideal as coating furniture or decks in immediate proximity to fire places or open flames.
- Due to its mineral components, SIOO:X is **one-way vapor-permeable**. Water may evaporate from the wood, yet it cannot be absorbed into the wood. This is a unique feature compared to water-permeable glazes or paint, as these products will always work both ways, i.e. water is equally absorbed into the wood.
- SIOO:X constitutes an **additional protection for screws** in outdoor areas. If you used galvanized or brass screws – mistakenly so – rust or discoloration by oxidation will occur significantly delayed compared to screws that were not coated with SIOO:X.
- Within the initial first weeks after the treatment has been applied, the timber may become yellowish tinted – this process is normal and results from chemical reactions between minerals and chemical substances within wood. As the mineralization proceeds, this discoloration vanishes.
- SIOO:X **inhibits cracking** of wood or **shivering/splintering**. Particularly hard timber like larch or douglas fir become hardened on the surface and remain free of splinters.
- SIOO:X is patented worldwide and has successfully been used in Scandinavia for over 15 years. The purely natural, non-toxic ingredients, easy application, and remarkably high lifetime (for an unpigmented product) have contributed to its success and growing popularity throughout the world.

## Important Information:

SIOO:X may corrode glass and perhaps galvanized metals like zinc or aluminium. Cover relevant areas in plastic tarp or cardboard to avoid splashes of SIOO:X to affect those surfaces. On metals you may simply wash-off SIOO:X with water and detergent. On glass, however, you may need to scrape off any dried residuals as the contained silicate (main component of glass) can chemically bond to glass surfaces and leave permanent stains if left to dry.

On planed, freshly erected surfaces do not immediately apply SIOO:X! Always leave wood outside for a few weeks of weathering. SIOO:X must penetrate into wooden surfaces, freshly planed wood that has not been subjected to adequate weathering may inhibit absorption of liquids. By the way, this recommendation is applicable to any coating. There is no product that works on wood if it cannot adhere to the surface. Rough-sawn, weathered, or slightly roughened wood is always the most ideal surface for any coating.

## Technical Data:

Ingredients:	Water, Silicate, Potassium
Consumption:	6-10 m <sup>2</sup> /l depending on surface
Coating conditions:	>8°C – please mind nighttime temperatures
Lifetime:	10-12 years, depending on surface, weathering, and application
Cleaning:	Water
Drying:	30 minutes, up to 2 hours
Storage:	Frost-free

