

## SiOO:X Surface Protector Premium Industry

Designed by Nature

### PRODUCT DESCRIPTION

SiOO:X Surface Protector is the second step of two of the SiOO:X potassium/silica based wood protection system. SiOO:X Surface Protector Premium Industry is based on waterborn silicaemulsion which reacts with the SiOO:X Wodo Protector (step 1 of two) and the wood surface. Together the Wood Protector and the Surface Protector gives the wood a smooth, lustruous and natural silver grey surface. This is water repellent diffusion open system which protects and lets the surface to breath in a natural manner. The silica system bonds together the surface , reduces risks for cracks ,sticks, mould and light rot. SiOO:X treatment decreases the moisture content of the wood giving dryer wood where algae have more difficult to grow and thus makes the cleaning easier. When the surface gets in contact with water a crystallisation process kicks off already after 2-4 weeks. SiOO:X Surface Protector is applied first time immediately after the Wood Protector (after drying). Second time after 10-14 months on horizontal wood, i.e. decking rails, patios etc., and after (3) 4-5- years on vertical wood , i.e. facades, panels and similar. The Surface Protector is wearing , in particular on decking, and thus occasionally has to be applied a third time during the service life of the Wood Protector (upp to 12 years on decking, up to 15 years on panels as cladding). When applying on patios/decking use SiOO:X Surface Protector Altan. When applying on facades/cladding panels use SiOO:X Surface Protector Panel.

### IMPORTANT TO THINK OF

Sioo:x Surface Protector Industry premium is applied once directly after the SiOO:X Wood protector has dried. (see the datasheet for SiOO:X Wood Protector). The temperature must be above+ 6C when applying and drying the SiOO:X treated wood. The spillage must be immediately dried with a wet cloth, it is important that the SiOO:X will not dry on surface. This is equally important with the application machinery, wash out the equipment and tools immediately after the finished work, so that the SiOO:X is not allowed to dry.

The recently fresh treated SIOO:X surface must be handled carefully when wet.

### PREPARATIONS

Protect all surfaces nearby from stains and drops, particularly important with glass and aluminium materials. Use gloves and eye protection. When applying Premium Surface Protector the temperature should be between +6°C och +30°C.

The wood surface has to be pre treated with two layers of SIOO:X Wood Protector. When second application of the Wood protector has dried, min 4 hours(!), SiOO:X Surface Protector is applied.

Agitate the contents of the SiOO:X container (package) thoroughly before and under the usage. SiOO:X fluids are Ready to Use and normally has not to be mixed with water. SiOO:X fluids are water soluble.

### APPLICATION

Shake the bucket or container, agitate before and under the usage. Preferably the whole volume of the container is emptied

into the application machinery and used fully on one occasion.

Apply SiOO:X Premium Surface Protector Industry on dry surface where SiOO:X Wood Protector has previously been

applied twice. Let dry at least for four hours, for 'finger dry'. After the Surface Protector an accelerated drying can be used with care. The surface is now ready, see dta sheet for Wood protector. If in any doubt regarding the methods of application or the machinery, please do contact Sioo's technical advice before the treatment or application.

### MAINTENANCE

The debris from plants, bushes and trees gives nutria to algae and therefor is important to keep the SiOO:X surfaces clean at all times. This is preferably done by a soft brush or wash with SiOO:X maintenance Wash (see data sheet for SIOO:X Maintenance Wash). It is important that the wshing liquid does not contain bleaching agents and has a pH over 7. The surface can be enhanced when water repelling has worn out. Wash the surface and use SIOO:X Surface Protector Altan or Panel.

### PAINTING OVER

SiOO:X surface can be painted with oil based products. If water born products are used then a wash of the surface with alkaline washing liquid is needed as to wash off the Surface Protector.

### RATE OF APPLICATION SiOO:X Surface Protector Industry

Must be checked with Sioo's technical advice before the application.

Application on fresh wood, enhancing after 12-14months on decking, after (3)4-5 years on cladding  
Freshly Pressurere Treated wood, XX litre /m2  
Heartwood, Cumaro, Kirai, Siberian Larix, XX litre/m2  
Thermoash, Thermowood, XX litre/m2

### FAQ SiOO:X Premium Industry

#### How quickly does the wood get grey?

*Directly after the SiOO:X application the wood surface is 'yellowis/brownish' and looks light 'cloudy'. The surface gets lighter after contact with water and starts to get grey after a 2-4 weeks on decking, after a year as cladding. This process continues up to 1 year on decking and up to three/four years on facades/cladding. Directly after SiOO:X appication can some wood species develope changes of surface appeareance when extratcs can migrate out of the wood. These will disappear in few days or after rain. For accelarating the greying process after a few days after SiOO:X aplication, the surface can be watered, in particular on surfaces where rain water does not reach.*

#### There are white flakes on the deck?

*This is totally harmless excess fluid of Wood Protector that has dried on the surface. These can be easily washed out by a soft brush or wabs with water.*

#### my deck has been fibrous on surface, what is it?

*the UV radiation of the sun breaks down the lignin of the wood, ligning that keeps the wood fibres/cellulose, together. These fibres can appear on surface and create dust or tussle.*

#### What happens when SIOO:X Surface Protector gets on glass surface?



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*SiOO:X Surface Protector reacts with glass and has to be removed before it dries on the surface. This is easily done by a wet rag/cloth.*

Which product do I use for repairing?

On decking you can repair and enhance with SiOO:X Premium Surface Protector Altan. It is recommended to do this for first time after 12-14 months. On facades repairing and enhancing is done by using SiOO:X Premium Surface Protector Panel, 3-5 years after the finished construction work.



**Technical data Sioox Premium Surface Protector Industry**

**Usage:** Wooden products, such as decking, fencing, cladding etc.

**Species:** planed decking, pressure treated wood, heartwood of pine, Siberian Larix, Cumaro, Kirai, Teak, Acasia, Thermoash, Thermopine

**Machinery:** application by an industrial wood surface coating machinery, spray-flood- or similar application. If in any doubt contact Sioo's technical service for advice.

Clean machinery and equipment with water directly after finished work.

**Temperature when applied:** +6°C - 30°C

**MC of wood:** Max 23 % (observ when applied on pressure treated wood)

**Storage:** +5°C - 25°C

**Durability:** 2 years in unopened container/package

**Contents:** Silica emulsion and water

**pH:** 7-8

**Environment:**

excess liquid or contaminated old product is taken care of according to local legislation

**Customer contact:** Sioo Wood Protection AB, von Utfallsgatan 20,