



**SiOO:X**

WOOD PROTECTION



## DESIGNED BY NATURE

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Nature inspires us in everything we do and has made us who we are. With the help of nature and innovative technology, we have created a unique, environmentally adapted wood protection that gives decks, building siding, docks and boat decks an attractive silver-grey patina. Just like beautifully aged wood. Plus, you get durable protection for a long time – without having to repeat the job year after year. Instead, you get more time to spend with family and friends, on land or at sea. All thanks to wood products made from and in harmony with nature. We call it *Designed by Nature*.

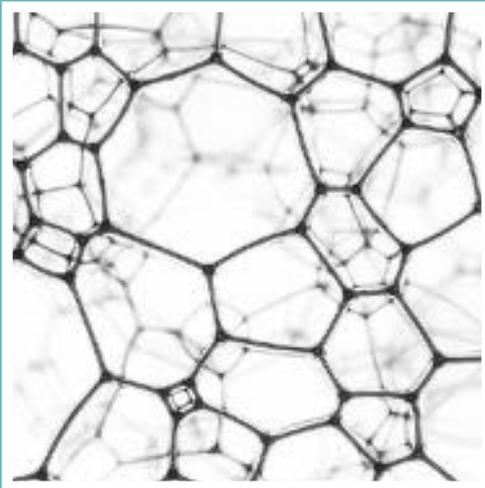


*Cover: The Auckland Tower in County Durham. European Larch glulam treated with Light-Grey pigmented SiOO:X. Niall McLaughlin Architects.*

*Above: The Kensington house, Accoya cladding, Melbourne Australia. Passive House Pty Ltd and European Timber Windows and Doors*

# A Future Sustained





# SWEDISH PATENTED WOOD PROTECTION BASED ON PROVEN TECHNOLOGY

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Sioo first saw the light of day in 1998. Our founder Herje Boström, together with a friend who was an architect, had become aware of an old wood protection technique. The technique was originally developed in Germany in the nineteenth century and is based on the element silicon. It is still used today to preserve valuable old wooden objects such as statues. Based on this proven technique, we created our own chemical formula that is the foundation of our entire range of wood protection products for every conceivable type of wood. After collaborations with a number of partners including Chalmers University of Technology, we obtained a patent on our refined silicon technology and started production of our wood protection products. This unrivaled long-lasting wood protection keeps the wood healthy and creates an attractive and easy-care surface.

# FAR FROM BEING JUST A PRETTY, SILVER-GREY SURFACE

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Our wood protection is inspired by how nature protects itself using its own natural technology. How trees and plants absorb silica from the soil, transport it out with water, where it precipitates and strengthens the organisms. It is this natural process that strengthens both teak in the rain forests and aspen trees in Swedish forests. And that serves as the foundation of our patented technology with tiny silicon molecules in the wood protection. These molecules rapidly penetrate into the wood fibers, combine with the structure and swell to form a strong protective layer. All this means that you can rest assured that you not only have a wood surface that becomes more attractive with the passing of time – but that resists wear, wind and weather in even the most demanding conditions.



# BEAUTIFUL, SUSTAINABLE WITH EASY MAINTENANCE

SiOO:X – perfect for decking, cladding or garden furniture!

SiOO:X penetrates the wood and gives a light surface that is pleasant to touch and walk on.

The surface is very easy to wipe down making maintenance simpler. The SiOO:X treatment reinforces and strengthens the wood surface and is very easy to apply. It is applied once as against the necessity of annual treatments with oils.

“Over the long term, SiOO:X is very economical. It protects while also making the wood look more attractive, which is fantastic!”

*Architect Johan von Wachenfeldt*

“We are very satisfied with SiOO:X's performance on Vann Spa and have specified it and used it on several projects.”

*The Wingardh Practice*

“The journey from sourcing the product to completion has been delightful. We were drawn to SiOO:X as a product as it ultimately achieved the look we wanted for our home. We are truly thrilled to have watched our home evolve, it is quite simply stunning. I love the SiOO:X effect so much I have also treated 100 m of fencing and our garden shed/office!”

*Leona Braund, Lentrans*

*SiOO:X Accoya fenestration by Passive House Pty Ltd Bautechnik Architect: tUG Workshop, Melbourne Australia*





# SAFE – NATURAL – SUSTAINABLE

SiOO:X's eco-friendly silicon technology leaves a beautiful wood surface with a natural silver-grey colour and a lovely lustre. SiOO:X Wood Protection can be used in all areas where a clean, light wood surface is desired.

Coastal and mountainous locations are greatly exposed to variable weather and wind, making maintenance challenging. Here SiOO:X Wood Protection has great advantages with projects in the field showing long durability. With its eco-friendly composition, it is particularly appropriate in sensitive environments.

*Western Red Cedar house in County Wicklow, Ireland, factory treated by MTS Wood Components with SiOO:X. Architect Kim Dreyer.*



“ *We are very grateful for the assistance of SiOO:X in helping us to preserve this much loved artwork – it truly has been given new life.* ”

*Lesley Garbutt, the Provost of Kirkcudbright*

*Mother and Child statue in Kirkcudbright. UK.*



# TREATMENT FOR WOOD – NEW AND OLD

## Cladding and vertical areas

SiOO:X is specified extensively for the protection of external timber facades with projects across the UK and Ireland. Suitable areas of application for SiOO:X include wood cladding on buildings, fences, wall panels and bargeboards which gain a light surface that ages beautifully. UV weathering and uneven discolouration is prevented. SiOO:X gives excellent performance and long life if used correctly on cladding structures that have been designed and installed using sound rain screen design principles and practice.

## Decking, furniture and bridges

Areas of application include decking, jetties, bridges, furniture and artwork. The timber surface is strengthened preventing cracking and splinting.

*SiOO:X factory treated Siberian Larch by MTS Wood Components on house in the Wicklow Mountains. Aughey O'Flaherty Architects.*



## Application process

SiOO:X is designed for treatment to professional standards with a Wood Protection step and a Surface Protection step. The best penetration and results are obtained on sawn or textured surfaces.

Factory application under controlled conditions is strongly recommended and the majority of timber is treated in this way with brush or vacuum coaters. On special projects where there are large or awkward sections, hand treatment can be used adhering to professional standards preferably in factory conditions. Touching up on site is often inevitable and the ease of application of SiOO:X facilitates this and when any later maintenance is necessary.

*Monachyle Beag, Loch Lomond, Architect: Linearchitecture. Russwood Scotlarch® factory coated in SiOO:X. Photo: Ross Campbell Photography.*



## A DIFFERENT APPROACH

Architects use timber in design in highly imaginative ways both visually and technically. It is specified by architects and customers attracted by its performance and appearance. SiOO:X produces excellent results for many different timber species, new as well as old. Larch, cedar, fir, spruce, oak, sweet chestnut, other hardwoods and the increasingly used thermally modified species. Most treatments do not achieve this. SiOO:X is a breakthrough solution using silicates which is highly effective, gives long life and a finish entirely natural in appearance.

It is specified by architects and used by constructors and consumers attracted by its performance and appearance. SiOO:X produces excellent results for all types of wood, new as well as old. Larch, cedar, fir, spruce, oak, other hardwoods and thermowood all benefit when treated.

*Private house, Devon. Russwood Siberian Larch SILA® factory coated in SiOO:X Mid-grey. Photo: Alex Campbell Photography.*



“*I would like to congratulate Sioo on the performance of the grey pigmented SiOO:X coating which we used on the Observation Tower and Welcome Centre at Auckland Castle, Bishop Auckland. The Tower is a 30m tall timber framed structure which was constructed in glue laminated larch and coated in SiOO:X in our workshops.*

*SiOO:X seems to improve when fully exposed to weathering, giving a uniform weathered appearance. This is an elevated site, very exposed and subject to the ravages of the County Durham weather.*

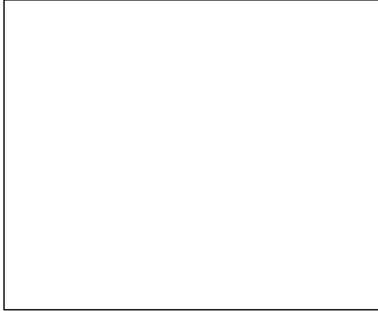
*Over two years after we erected the building, all surfaces have weathered well and appear in very good condition - the timber surfaces look great.*”

*Nigel Braden, Director, Inwood Developments Ltd.*

*SiOO:X treated Siberian Larch at Barretstown Childrens' Centre, County Wicklow. Architect McCauley Daye O'Connell.*



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Made in Sweden



**SiOO:X**

WOOD PROTECTION

**Sioo Wood Protection AB** based in Gothenburg have produced a significant breakthrough in wood protection technology which solves the traditional problems of caring for wood. SiOO:X's natural ingredients centred around the mineral silicon combine to quickly protect wood of all species, enhancing both appearance and performance.

SiOO:X has been specified in Scandinavia by world leading architects and end users over two decades because of its unique combination of advantages, particularly its sustainability and aesthetically pleasing appearance.

SiOO:X has been specified and used in the UK and Ireland for many years by architects, constructors and end users, particularly for timber cladding applications.

SiOO:X treated timber is beautiful to look at and maintains an even weathered appearance and a predictable surface for years to come.

The contribution of the SiOO:X products in giving long life protection, encouraging the greater use of timber and the locking up of climate damaging carbon is highly significant.

Over the life cycle SiOO:X Wood Protection is a highly economical investment and lower in cost than conventional treatments.

