



## Sioo Impregnation

**Sioo Impregnation is an entirely environment friendly, water based decontamination and protection agent for wood.**

**The Sioo Impregnation technology introduces revolutionary advantages based on a patented technique related to the mineral silicon.**

**Sioo Impregnation offers the following unique advantages:**

- Resistive protection against fungus, spore, algae and rot
- Wood reinforcing
- It provides a clean wood surface and lends lustre to it
- Up to 10 years' durability
- Sioo is in principle maintenance free
- It resists penetration of water and leaching
- Sioo reinforces and creates a smooth surface
- It offers protection against UV-radiation from the sun
- In the end Sioo offers a much more economical solution than the traditional methods of wood preservation. It is a very profitable investment!

**Sioo Impregnation produces excellent results for impregnated wood, larch, fir, spruce, oak and hardwood. In principle Sioo can be used for all types of wood – new as well as old.**

Great results are achieved for terraces and bridges. Other very appropriate applications are wall dressing, false ceilings, fences and garden furniture. Sioo is also used for indoor applications in attics and basements, since it is environment friendly.

Sioo solves many traditional problems related to wood protection – at the same time consumers appreciate that it is environment friendly and aesthetically pleasing.

Sioo protected wood remains dry since it is open for diffusion. The surface is “ventilated”. No splinters or cracks occur. The wood surface is soft and comfortable to walk on – even barefooted. ▶▶

Environmentally  
friendly

**Sioo**  
WOOD  
PROTECTION

*Safe, Natural, Sustainable*



**Sioo Impregnation** of traditionally impregnated wood may be done only a few weeks (months) afterwards – just as soon as the fluid has dried. By doing so, Sioo prevents leaching of harmful impregnation fluid at the same time as it contains beneficial wood substances.

At first Sioo Wood Protector is applied. It penetrates deeply into the wood structure, crystallizes and forms permanent silicon crystals in the wood structure.

After that Sioo Surface Protection is applied, also penetrating deeply, whereby it seals the wood structure and also prevents water penetration. The two products, Sioo Wood Protector and Sioo Surface Protection together constitute Sioo Impregnation. They interact and thus systematically build up the wood protecting properties.

Sioo comply with EU test proceedings EN 46 and EN 113. The chemical process is described as a “mechanical effect without the use of biocides”.

Directly after treatment with Sioo Wood Protector the surface often gets a yellowish-brown colouring. Later contact with moisture successively makes the wood grow lighter. After 3–8 weeks it shows a very beautiful, even, silver grey nuance.



**Sioo Impregnation** is very simple to apply and it dries quickly. It is possible to execute the job required during the major part of the year. However, it has to be observed that work should not be carried out at a temperature lower than 5 degrees Celsius or on a hot and sunny day or when it rains or under otherwise very moist conditions. Normally the work is finished within a day. The surface is clear to tread after an hour.

## Consumption

	First treatment	Second treatment
<b>Sioo Wood Protector</b>	6–8 m <sup>2</sup> /litres	10–12 m <sup>2</sup> /litres
<b>Sioo Surface Protection</b>	8–12 m <sup>2</sup> /liter	

**N.B.!** Consumption of fluid varies depending on the type of wood, surface structure and age. The products are sold in cans of 3 and 5 litres.

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Unit 8 Block B  
Bullford Business Campus  
Kilcoole  
Co. Wicklow



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## The Process

### 1. Before treatment/cleaning

Before treatment the surface must be clean from oil, colour and dirt etc. This is particularly important regarding old and/or oil treated terraces.

- Soak the surface with the cleaning agent. Allow a few minutes for it to penetrate the surface
- Clean with a high pressure unit or use a brush.
- If there are still dark spots or remainders left, they should be polished away.

**As the products may etch if spilled onto metallic parts or fittings or solidify on glass, it is important to mask and protect these items. If any spillage occurs, dry this up with a wet cloth. Any solidification on glass can be removed with a sharp blade.**

### 2. Sioo Wood Protector

When the surface is dry, it is treated two times with Sioo Wood Protector with at least two hour intervals.

### 3. Sioo Surface Protection

Let Sioo Wood Protector dry for at least 4 hours. Then treat the surface with Sioo Surface Protection. Do note that it must not rain after finishing the application of Sioo Wood Protector and before applying Sioo Surface Protection.

The Surface Protection is applied with a high pressure unit, brush or roller. Soak the surface. Allow a few minutes for it to penetrate. Then rub it in with a brush till the wood is saturated. We recommend an extra treatment with Sioo Surface Protection after 11–14 months.

## Maintenance

Keep the treated surface clean. Dirt, algae etc. should be removed. After the winter the surface should be cleaned with a mild detergent, then brushed and flushed. Grease blots, wine, coffee etc. is dried up with a soap solution. If the silver grey surface is scratched off, more Sioo Surface Protection is put on and the bright, natural and smooth surface will be back within a few months.

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WOOD  
PROTECTION