



Wood & Bamboo Care

General Problem

When winter comes, people are always persecuted by the shrinkage of timber floor due to sudden decrease of humidity ratio. When spring comes, the high humidity ratio facilitates the growth of mould on timber floor. Furthermore, timber floor will be swollen after the leaking of a water pipe. All these encounters can be prevented if we had applied the **“Wood & Bamboo care” solution**.

Product Information

“Wood & Bamboo care” is a water-like chemical solution. It has good infiltration power to wood surface, and has chemical reaction with the alkaline substance inside the wood. A protective layer will be formed after the reaction and stays permanently inside the wood. Therefore, **“Wood & Bamboo care”** is an excellent solution for wood preservation.



Apply **“Wood & Bamboo care”** once on timber surface can eliminate all the problems associated with the timber products. It can be used in industrial, commercial and domestic applications.

Advantage

- Apply once on wooden surface is enough.
- **“Wood & Bamboo care”** will never damage wood tissues and structure.
- Because of an impermeable crystal layer formed on the wood substrate after treatment. **“Wood & Bamboo care”** can provide good protection like ordinary paint. The adhesive power between paint and wood surface will be greatly improved. Therefore, the life of paint can be prolonged and the paint cost can be saved up to 25%.
- The treated surface is safe from water, oil, acid and alkaline attack.
- The treated surface will be free from water and moisture. Therefore, it can prevent the growth of bacteria and mould.





- Because of crystallized layer formed on the surface, all the voids between tissues will be filled up by tiny crystal after curing. Therefore the surface density and strength of timber will be greatly improved after treatment. So, even though heavy snow on the timber surface, it can be cleared easily.
- The crystal substance is non-flammable. Therefore the timber product becomes fire-retardant after treatment.
- Since the voids of the timber surface have been filled up entirely by the crystal; therefore adverse weather influence on timber will be very minimal.
- The treated timber has a crystal layer on the surface which will not be digested by termite and woodborer. Therefore, the termite and woodborer will not growth.

Principle of Product

“Wood & Bamboo care” is a water-based, alkaline solution. It is liquid form and non-toxic, non-flammable and has high infiltrative power. Since most of the timber in the world is alkali-base in nature which **“Wood & Bamboo care”** will have reaction with them, it can seal the applied surface and make the surface water, acid and alkali-proof. Besides it also strengthens the timber tissue. The treated timber material will form a zero **thickness** protection layer in the tissue, so that it is saved from ultraviolet attack. **“Wood & Bamboo care”** is an innovative and multi-function product for timber protection.

Surface Requirements

1. The surface that undergoes treatment cannot be too dry.
2. For treating dry timber, use a wet tower to pre-wet the surface first before applying **“Wood & Bamboo care”** and then applies **“Wood & Bamboo care”** on the surface with a sponge or soft brush.
3. If the moisture content of the wood substrate was high, apply the **“Wood & Bamboo care”** with a hard sponge. In this situation, all faces of the timber material must be treated with **“Wood & Bamboo care”** to prevent buckling.
4. If the surface has grease (e.g. lubricant, wood oil), NT Cleaner should be used to clean the surface prior to **“Wood & Bamboo care” treatment**.
5. Filled the cracks or holes by caulking materials after the use of **“Wood & Bamboo care”**. Painting should be applied after the **“Wood & Bamboo care”** is dried.
6. If the surface is already coated, it should be cleaned first by fine sanding or thinner, etc.

Technical Guideline

- **“Wood & Bamboo care”** is a chemical product which is ready mix in the factory. It is no need to mix with other product and dilute during application.



- Apply the product once is enough; the speed of absorption is depending on the surface porosity ratio.
- It can be applied by different method, brush, hard sponge, cloth, and spray.
- In special condition, for example the surface is too wet, the “**Wood & Bamboo care**” should be applied once or twice more. However, the drawback is “**Wood & Bamboo care**”’s crystals will be appeared on the treated surface. When this happened, clean the crystal by water before it sets hard.
- Basically the surface is ready for walking after 30 min. However, it is recommended that walking on the surface should be prohibited until it is completely dry.
- All the apparatus should be cleaned by water after use. During the application, it is no need to wear any respirators.
- The coverage is 8-10 m²/lit/coat depending on the surface porosity.

Remarks

1. This product cannot be stored in glass and aluminum container.
2. If the “**Wood & Bamboo care**” **solution** is contacted with glass and aluminum accidentally, clean the surface by water before it dries.
3. This product is not a crack-filler. It is impossible to seal or fill up the crack on the surface.
4. In cold condition, this product may be frozen. Thaw the product and shake it gently before use.

Limited Guarantee

The information in the above is based on the practical application and laboratory raw data. Therefore the accuracy of the information is reliable at the time of this material being printed. In the world wide applications, “**Wood & Bamboo care**” treated timber will be free from seepage and detached problem. Since the work environment cannot be controlled; the condition of material under treatment; and the storage condition, transportation of the “**Wood & Bamboo care**” is not known, we cannot guarantee the performance. When the users find problem in using “**Wood & Bamboo care**” and how to perform its function, we will try our best to provide assistant. Our company will not responsible for the malfunction of “**Wood & Bamboo care**”, if “**Wood & Bamboo care**” was applied on any substandard timber or by natural disaster (e.g. earthquake, flood).