

***Added value for wood manufacturers and those who are involved in exterior and environmental construction:***

- added value for pre-cut timber and round timber –totally new possibilities for pre-cut and round timber in exterior and environmental construction
- enables the use of seasoned or unseasoned wood in the process
- possibility to combine several process phases in one process
- possibility to do surface treatment and service treatment
- possibilities for synergy in energy production and in utilizing by-products of wood product industry
- possibility to use pulpwood, reject trees, weathered timber etc. as raw material
- makes it possible to use wood raw material of little value in mass production and make use of wood from first thinning and tree nurseries
- possibility to cooperate with actors in bioenergy



## **EKOPINE OIL-IMPREGNATED WOOD**

### **Characteristics of Impregnated Wood**

- safe and environmentally friendly material
- non-toxic
- the wood remains impregnated
- the hydroexpansivity of the wood diminishes and there will be no cracks, unlike in wood impregnated with traditional methods
- the original rigidity and strength of the wood remain the same
- the impregnated wood can be machined at home
- oil-impregnated wood is not problem waste: it can be burned or composted
- it can be toned with pigments or natural oil paints

### **Applications of Impregnated Wood**

Applications of Impregnated Wood are above all garden and environmental structures, terraces, pergolas, fences and embankments. Furthermore, oil-impregnated wood can be used in external claddings, doors, windows, wooden boats etc. When servicing oil-impregnated wood, the same natural oils that were used in impregnation can be used.

### **Instructions / tips on usage**

It is better to machine the wood before impregnation; this way the machined parts get the best possible protection.

Wood can be tinted or be given service treatment to the surface, either by using oils that do not form coating or stains that form coating. When servicing the product later on, treatments that form a coating must usually be plastered or brushed away. With natural oils and treatments that do not form a coating, it is usually enough that the dust is brushed off.

### **About the company**

Ekopine Oy acts mainly as a partner for wood manufacturers by offering them oil impregnation service. In the future we will have even better resources to deliver Ekopine Oil-Impregnated wood in the following forms: peeled, rotary-cut, pre-cut, planed, or as components. We have also produced reference products, on the basis of which we can plan together even whole constructions for yards: fences, gates, pergolas, sandboxes etc. Thus ready-made oil-impregnated outdoor yard products could complement our product range.

