



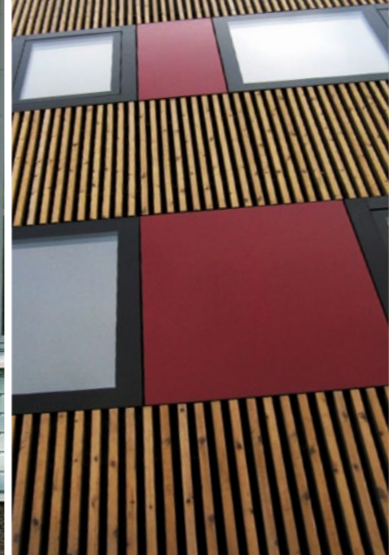
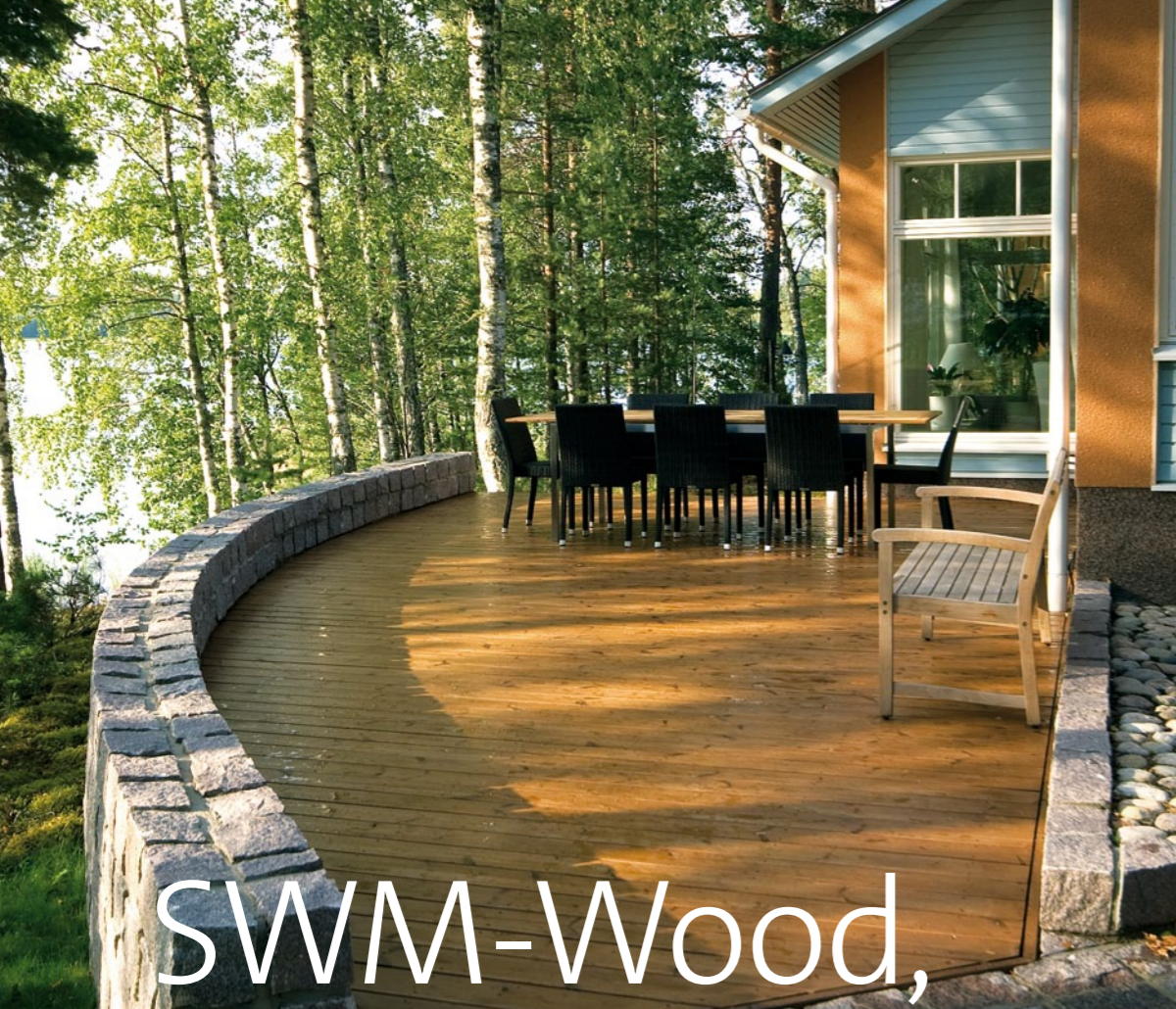
# Thermally modified wood for professional use

- Façade and cladding
- Yard and garden
- Sauna and interior decoration
- Thermally modified timber

[www.swm-wood.com](http://www.swm-wood.com)







**YARD AND GARDEN**

The decking products of SWM-Wood are well suited for impressive yard and garden construction. Both pine and spruce products are well suited for outdoor use. The end users of our products appreciate environmental friendliness, good decay resistance, improved dimensional stability and the warm colour of the wood. Thermally modified wood makes a professional constructor's work easier, especially in sites where environmental regulations limit the use of other raw materials.



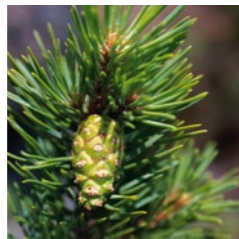
# SWM-Wood, partner of a professional

Oy SWM-Wood Ltd is one of the leading Finnish manufacturers of thermally modified wood. SWM-Wood produces thermally modified wood for construction and carpentry industries, as well as for resellers. We are specialised in Finnish pine and spruce. Our customers know us from high-quality wood products, good service and reliable delivery.

A large portion of our products are made for export. We are the first company in our industry which has been granted the KOMO® product certificate. Our products have also been granted the PEFC™ certificate. We are a member of Suomen Lämpöpuuyhdistys ry (Finland's Thermowood Association), which entitles us to use the registered ThermoWood® quality logo.

**Ecological alternative**

We strongly believe that a better tomorrow is built of wood. Wood is a renewable natural resource. 90 % of the wood we use originates from certified Finnish commercial forests. In addition, use of wood curbs climate change, because all wood products store coal and carbon dioxide. Because of its recyclability, wood is also an ecological material at the end of its lifecycle.



**Thermally modified wood**

Heat treatment involves heating wood material to a temperature of 190 - 220 °C while at the same time protecting it with steam. The steam protects the wood, but it also influences the chemical changes taking place in wood. The treatment involves using only heat and steam. Thermally modified wood is an environmentally friendly and fully recyclable product, the manufacture of which does not include any harmful chemicals.

Heat treatment has an impact on several wood properties changing them permanently. The dimensional stability, decay resistance and thermal insulation properties of thermally modified wood are better than those of untreated wood. In addition, the wood is coloured throughout into a beautiful shade of brown. Heat treatment can be successfully applied to several types of wood. However, it is particularly well suited for pine and spruce. Thermally modified wood can be disposed of by incineration.



**FAÇADE AND CLADDING**

Thermally modified wood is a beautiful and durable material for façades. Finnish pine and spruce are well suited for façade material of buildings.

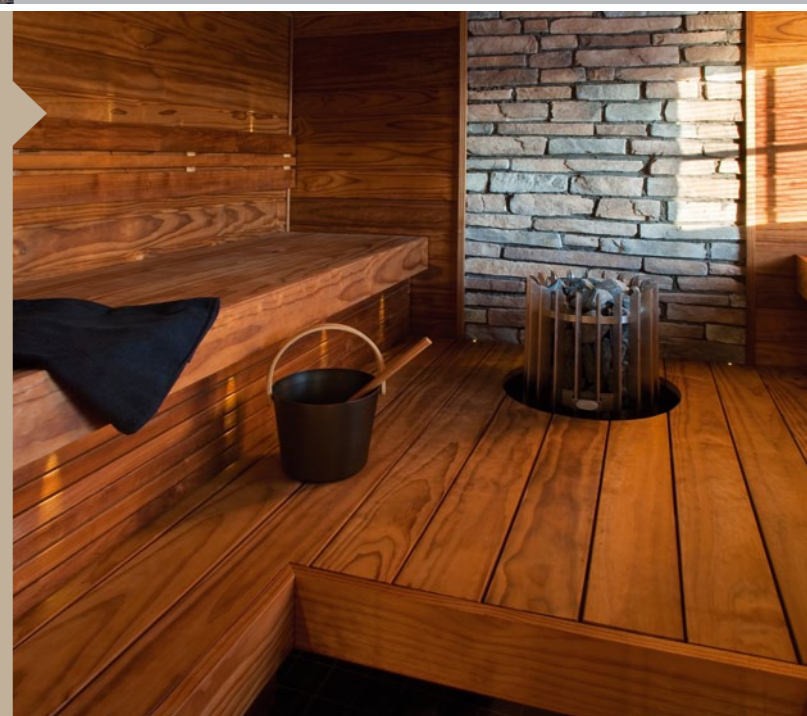
We deliver thermally modified wood for further processing and as finished products planed and processed to the profiles requested by the customer. Several planing mills in Central Europe are producing façade material from the wood delivered by us.

**SAUNA AND INTERIOR DECORATION**

Thermally modified wood is well suited for saunas and decoration. The focal benefits of thermally modified wood in interior decoration include significantly improved dimensional stability, hygiene, moisture resistance, and a finished surface. The colour alteration caused by heat treatment creates a distinguished, hardwood-like appearance.

For sauna builders, thermally modified wood is one of the most important decoration materials. The Pino Premio sauna products we manufacture are made of heat treated radiata pine.

The benefits of radiata pine in a sauna include absence of knots and resin, a beautiful warm colour, lower thermal conductivity and – when properly looked after – durability.



**THERMALLY MODIFIED TIMBER**

SWM-Wood manufactures thermally modified timber for various industries and timber companies. Our raw materials include domestic pine and spruce. The timber we use for raw material has healthy knots and is acquired from PEFC™ or FSC certified suppliers.



# Profiles

## SWM EXTERNAL CLADDING PRODUCTS THERMO-D



SWM UTV 19x92/118/140



SWM UTK 19x92/118/140



SWM garden 70° 42x42/28



SWM UTS 19x92/118/140



SWM Dutch 19x118/140



SWM garden 60° 26x68

## SWM DECKING PRODUCTS THERMO-D



SWM SHP 26x92/118/137



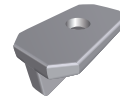
SWM Deck 26x92/118/137



SWM structural 42x42/68/92/118/140



SWM Antislip 26x118/137



SWM hidden deck fastener

## SWM SAUNA AND INTERIOR DECORATION PRODUCTS THERMO-D



Pino Premio sauna bench SHP  
28x92/140/185



Pino Premio panel STP 15x140



Pino Premio panel STS 18x185

## SWM THERMALLY MODIFIED TIMBER

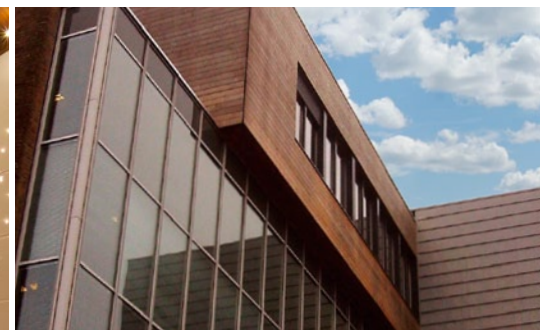
### Pine

25 x 100 - 125 - 150  
32 x 75 - 100 - 125 - 150 - 200  
38 x 100 - 125 - 150  
50 x 100 - 125 - 150  
63 x 100 - 125 - 150  
75 x 100 - 125 - 150

### Spruce

25 x 150  
32 x 100 - 125 - 150  
38 x 125 - 150  
50 x 100 - 125 - 150

The final moisture content of thermally modified wood is 4–7%, and shrinkage 1–10mm, depending on the specified dimension.



**SWM** WOOD

Excellence in thermal wood modification



Oy SWM-Wood Ltd  
Pursialankatu 32  
FI-50100 Mikkeli  
Finland  
Tel. +358 15 760 5700  
sales@swm-wood.com

[www.swm-wood.com](http://www.swm-wood.com)

