Claims

1. A method for the treatment of a wooden material, **characterised in** that the method comprises the steps of

a) subjecting the wooden material to a vacuum,
b) supplying a liquid to the wooden material, while maintaining the vacuum,
c) subjecting the wooden material to an overpressure at a temperature between 70°C and 220°C at which the liquid does not reach its boiling point,
d) subjecting the wooden material to ultrasound, while maintaining the over pressure, at a temperature between 70°C and 220°C.

2. A method according to claim 1, **characterised in** that the ultrasound has a frequency of from 1 kHz to 1 MHz, preferably from 1 kHz to 120 kHz.

3. A method according to claim 1 or 2, **characterised in** that the ultrasound has a frequency of from 20 kHz to 40 kHz, preferably 30 kHz.

4. A method according to any one of claims 1-3, **characterised in** that ultrasound is applied for 1 minute to 15 hours, preferably from 5 minutes to 12 hours.

5. A method according to any one of claims 1-4, **characterised in** that the temperature in steps a) to d) is controlled.

6. A method according to any one of claims 1-5, **characterised in** that the vacuum is between 0% and 100% (0 mbar and1000 mbar) of atmospheric pressure, preferably 80% of atmospheric pressure or less, preferably 50% of atmospheric pressure or less.

7. A method according to any one of claims 1-6, **characterised in** that the vacuum is maintained from 1 minute to 5 hours, such as from 5 minutes to 2 hours, preferably from 15 minutes to 45 minutes.

8. A method according to any one of claims 1-7, **characterised in** that the

overpressure is from 1 bar to 30 bar, such as from 10 bar to 25 bar.

9. A method according to any one of claims 1-8 **characterised in** that the liquid is selected from water, oils, pigments and colourants, alum such as 5% v/v, 10% v/v or 20% v/v, boric acid solutions, flame retardants, biocides, fungicides, and copper as well as combinations thereof.

10. A method according to any one of claims 1-9, **characterised in** that the liquid is water, aqueous solvent or oil.

11. A method according to any one of claims 1-10, **characterised in** that the steps of the method take place in an airtight tank.