

SAMiTECH

Solutions for **WOOD**

HEAT TREATMENTS



NO OXYGEN TREATMENT

INFRARED



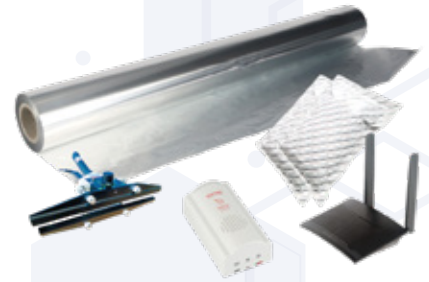
SAMiTECH
Heat Wrap

MICROWAVE



SAMiTECH
ecowood

ANOXIA



SAMiTECH
smart anoxia

Physical solutions

for pest control

- ✓ We develop sustainable and ecological technologies
- ✓ Curative treatments without any chemicals
- ✓ Does not harm treated objects
- ✓ Multiple applications:
 - Columns
 - Furniture
 - Floors
 - Carpets / rugs
 - Textiles
 - Works of art
 - Beams
 - Doors
 - Ceilings
 - Delicate objects
 - Documents
 - Cultural heritage
- ✓ No residues nor waiting times after treatments
- ✓ 100% made in Spain

+10 years
innovating

PEST CONTROL BY
PHYSICAL MEANS



More information at:

www.sami.tech



Flexible and portable solution for curative wood treatments by means of infrared heat

Heat Wrap allows to perform physical treatments against xylophagous in all life cycle stages and on any type of wood.

Heat Wrap's innovative technology allows complete temperature control to avoid harming objects.

- Columns
- Beams
- Floors
- Ceilings
- Stairs
- Doors
- Baseboards
- Libraries
- Furniture
- Rugs
- Carpets
- Etc.



Samitech Heat Wrap is a set of six heating panels, totally modular and adaptable to any object that uses infrared heat to kill pests by dehydration without harming treated objects. **Shape it as you need!**

- ✓ Does not harm wooden surfaces
- ✓ Flexible and adaptable to any shape
- ✓ Quick and silent treatments
- ✓ Light, portable and easy to setup
- ✓ Curative solution in only one treatment
- ✓ Can be plugged to any household socket
- ✓ Important savings in logistics and personnel
- ✓ No use of chemicals. Environmentally friendly

The system intelligently manages energy needed by each heating panel to perform the treatment.

The operator can setup treatment temperature and duration and follow it in real time.

Infrared Heat Technology

Heat Wrap uses the same heating principle as solar radiation. Infrared waves are 100% safe and, as opposed to other heating systems, do not waste energy by heating the air. The whole process is physical and does not harm treated objects.

Treatments are defined and monitored from an App available free of charge for iOS and Android. User interface is easy and intuitive. Once a treatment is finished, the App can produce a PDF report customised with your company logo and contact data.



Samitech EcoWood is a portable microwave heat solution against xylophagous

Microwaves penetrate wood in a quick and deep way and will kill xylophagous insects from egg to adult.

Our new EcoWood is much lighter and easier to use due to its touch screen remote control.



Samitech EcoWood consists of a main unit and a remote control with a touch screen from which main unit is operated.

The set comes with a microwave leakage detector that ensures the technician is always out of reach of any harmful microwave radiation.

- ✓ Can be plugged to any household socket
- ✓ Touch screen remote control
- ✓ Three level adjustable power output
- ✓ Lightweight main unit
- ✓ Simple and safe operation
- ✓ Microwave leakage detector included in set
- ✓ Broad range of accesories available

Microwave Heat Technology

Treatments with microwaves use a similar technology to regular microwave ovens, except that in this case the radiation is directed in a controlled and concentrated manner on the infested area, heating the wooden object until all insects are dead.

Elimination of insects inside wood is achieved by microwave radiation on the cellular structure of the pest. Microwave radiation is effective on insects in any life cycle stage.

The effect of microwave radiation on wood is twofold: on one side, treated wood will heat as a consequence of radiation, but on the othe side, insects inside the wood, being made mainly of water, will absorb microwave energy and increase their body temperature well above surrounding wood temperature. This explains that death happens way before surrounding wood reaches a lethal temperature for insects.



The most complete and modern solution for treatments in oxygen free controlled environments

Samitech Smart Anoxia is a really simple and hassle free solution that allows to perform anoxia treatments in a guaranteed, profitable and uncomplicated way.

- ✓ Does not harm treated objects
- ✓ Ecological treatment from beginning to end
- ✓ No gases or biocides involved
- ✓ Real-time condition monitoring of oxygen, temperature and humidity
- ✓ Control Panel accesible from any Internet connected device
- ✓ Avoids unnecessary on-site controls
- ✓ No size constraints for large objects: furniture, caravans, boats...

Anoxia treatments consist of eliminating all oxygen inside a sealed container. This results in death of any form of life either by suffocation or dehydration. It is a safe and well known treatment against any type of pests and does not alter nor harm treated objects.



Samitech Smart Anoxia solution does not use gases like argon, nitrógen or CO₂.

The treatment is done by consuming up all the oxygen gas present in the air inside a sealed tailored-made container where the treatment is performed.

The Smart Anoxia Starter Pack includes all necessary items to succesfully start your own anoxia treatments.

Smart Anoxia Technology



Smart Anoxia uses a state-of-the-art electronic device that allows the technician to monitor at all times the oxygen concentration, temperature and humidity conditions within the treatment bubble. This IoT device is built with factory-calibrated sensors that do not need any further maintenance, a two-month rechargeable battery and WiFi connectivity to sync collected data to the cloud.

