

SAMI[®]
ecowood

**SYSTEM FOR CONTROLLING
PEST IN WOOD**
BASED ON SHORT-WAVE TECHNOLOGY



SAMI
Sistemas automáticos
de mantenimiento industrial

INTRODUCTION

Using shortwave technology, SAMI® Ecowood is the simplest and most efficient ecological and non-invasive system for the extermination of wood plagues.

It is well known that fungal infestations and attacks by wood boring insects, such as: termites, beetles and moths, among others, can cause serious damage to timbered structures and objects.

The replacement or rehabilitation of the decayed structures requires a large financial investment and, when it comes to artistic or cultural goods, the damage may well be irreversible.

Traditionally, people have resorted to using chemical insecticides to combat the onslaught of these pests. However, the use of such chemicals can lead to the following underlying problems:

1. Low specific toxicity levels, which can result in:

- Harm to people exposed to the chemical
- Harm to other species, which may cause ecological imbalances and the elimination of other useful or protected species
- The extermination of natural predators of the plague

2. Failure of long-term effectiveness as insects can develop chemical resistance to the product, which might be genetically transmitted to descendants.

3. Low effectiveness in warm weather because non-aqueous media for the manufacture of pesticides has been prohibited by new global regulations



SAMI® ECOWOOD

Xylophagous, the Problem - SAMI® Ecowood, the solution

SAMI® Ecowood is the result of an exhaustive investigation conducted by our team of experts, with a focus on finding a definitive and simple solution to the



XYLOPHAGOUS

problems of wood infestation caused by fungal action and other xylophages' spe-

cies infestations.

SAMI® Ecowood systems are based on the use of shortwave-based technology to eliminate wood plagues in a simple, ecolog-

ical, efficient, and non-invasive way.

SAMI® Ecowood Advantages:

- **Efficiency guaranteed 100%** - i.e. the total elimination of the infestation
- **Reduced costs** compared to traditional treatments
- Systems with **high durability and quality**
- **Eco-friendly**
- **Mechanical control panel** for quick and easy operation
- **Maximum security** guarantees for the operator
- **Easy operation and transportation**
- **Maximum protection** of the property and goods treated

SAMI® Ecowood: Simplicity and effectiveness against pests in wood



SAMI[®] ECOWOOD APPLICATION

SAMI[®] Ecowood effectively removes all types of infestations, while protecting the original appearance and integrity of any wood structure



Roofs



Windows



Beams



Doors



Furniture



Pallets

OPERATION

SAMI® Ecowood systems are based on the use of short-wave technology to absolutely eliminate any kind of wood boring insects, fungi and larvae present in wood.

SAMI® Ecowood has a 2465MHz frequency magnetron and a variable power up to 1000W shortwave generator that can heat the wood from the inside out. Upon contact with the cellular structure of wood and the plague that inhabits it, the short waves accelerate the vibration in water molecules present in the area, raising temperatures up to 110° C and are fatal for these small wood enemies.

Maintaining these high temperatures for a few minutes ensures complete elimination of all insects present in the treated wood, whatever the stage of their development.

The SAMI® Ecowood treatment is lethal to insects only, preserving the physical appearance and inner structure of the treated wood.

The mechanical control panel and SAMI® Ecowood's easy operation makes it the most simple and effective wood treatment system on the market.



PRODUCT LINE

SAMI® Ecowood's product line is designed to meet the demanding working conditions of all end users.

Its durable design and easy handling make it ideal for freelance exterminators and pest control service companies.

The high quality and durability of SAMI® Ecowood equipment is guaranteed: the

manufacturing process operates under European Standards and employs high performance components and the strongest materials on the market.



PRODUCT LINE

EW 1001 SW

Standalone unit. Created especially for freelance exterminators and small pest control service companies. This unit allows treating surfaces up to 30 x 30 cm per application.



PRODUCT LINE

EW 3000 SW

Control unit. Designed for pest control services with high volume workloads. This unit, in combination with the single-head or double-head auxiliary units, allows the treatment of surfaces up to 1 m per single application.



PRODUCT LINE

EW 1010 SW

Single Head Auxiliary Unit. To be used with EW3000SW Control Unit



PRODUCT LINE

EW 2020 SW

Double Head Auxiliary Unit. To be used with EW3000SW Control Unit



ACCESSORIES



(a) Tripod

(b) Tripod articulations and extensions

(c) Short-wave detection system

(d) Case CS1001 (e) Case CS1010 (f) Case CS2020 (g) Case CS3000



SPECIFICATIONS



EW 1001 SW

TYPE	Standalone Unit	SHORTWAVE GENERATORS	1
SAMI ECOWOOD CATALOG CODE	SAMIEW002	POWER	1000 W
MATERIAL	Carbon steel - Shockproof painting	MAX FREQUENCY	2465 MHz
DIMENSIONS	820x350x300mm	POWER SUPPLY	230 V / 50 Hz or 120V/60Hz



EW 1010 SW

TYPE	Single head Auxiliary Unit	SHORTWAVE GENERATORS	1
SAMI ECOWOOD CATALOG CODE	SAMIEW003	POWER	1000 W
MATERIAL	Carbon steel - Shockproof painting	MAX FREQUENCY	2465 MHz
DIMENSIONS	620x300x360mm	POWER SUPPLY	230 V / 50 Hz or 120V/60Hz



EW 2020 SW

TYPE	Double Head Auxiliary Unit	SHORTWAVE GENERATORS	2
SAMI ECOWOOD CATALOG CODE	SAMIEW004	POWER	2x 1000 W
MATERIAL	Carbon steel - Shockproof painting	MAX FREQUENCY	2465 MHz
DIMENSIONS	620x620x360mm	POWER SUPPLY	230 V / 50 Hz or 120V/60Hz



EW 3000 SW

TYPE	Control Unit	FUCNTIONALITY	EW1010SW Y EW2020SW
SAMI ECOWOOD CATALOG CODE	SAMIEW001	POWER	3x 1000 W
MATERIAL	Carbon steel - Shockproof painting	POWER SUPPLY	230 V / 50 Hz or 120V/60Hz
DIMENSIONS	450x500x250mm		



Tripod

Winch with automatic brake and folding handle. TÜV and GS Approved.	MAX. HEIGHT	2.7 m
MANUFACTURER	MIN. HEIGHT	1.8 m
SAMI ECOWOOD CATALOG CODE	DIAMETER BOTTOM	1.1 m
MATERIAL	TOP SECTION	35 mm
	MAX LOAD	65 Kg
	WEIGHT	11 Kg



Shortwaves Detection System

Sound and Visual Signals Combined with Analog Measurement. Audio Signal With Volume Control. Light Signal. ISO 9001 Controlled Manufacturing.	CE Registered. Requires One 9-Volt Alkaline Battery. MANUFACTURER	Technology Alternatives Corp.
	SAMI ECOWOOD CATALOG CODE	ELECTRIC001
	MATERIAL	Rugged ABS Plastic



Case CS1001

Carrying and protective case for Standalone Unit EW1001SW Removable retractable handle.	MATERIAL	Shockproof and waterproof Polypropilene Copolymer
SAMI ECOWOOD CATALOG CODE	EXTERNAL DIMENSIONS	95.2 x 68.9 x 36.5 cm
MANUFACTURER	INTERNAL DIMENSIONS	86.3 x 60.9 x 31.7 cm
	COLOR	Black
	CERTIFICATIONS	IP67



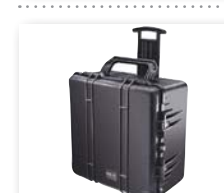
Case CS1010

Ideal for transporting the single-head auxiliary unit EW1010SW Removable retractable handle.	MATERIAL	Shockproof and waterproof Polypropilene Copolymer
SAMI ECOWOOD CATALOG CODE	EXTERNAL DIMENSIONS	79.4 x 61.5 x 44.4 cm
MANUFACTURER	INTERNAL DIMENSIONS	70.3 x 53.3 x 39.4 cm
	COLOR	Black
	CERTIFICATIONS	IP67 - DEF STAN 81-41/ STANAG 4280



Case CS2020

Ideal for transporting the double-head auxiliary unit EW2020SW Removable retractable handle.	MATERIAL	Shockproof and waterproof Polypropilene Copolymer
SAMI ECOWOOD CATALOG CODE	EXTERNAL DIMENSIONS	84.7 x 72.2 x 46.3 cm
MANUFACTURER	INTERNAL DIMENSIONS	76.2 x 63.5 x 38.1 cm
	COLOR	Black
	CERTIFICATIONS	IP67 - DEF STAN 81-41/ STANAG 4280



Case CS3000

Facilitates the transport and protection of the control unit EW3000SW. Removable retractable handle.	MATERIAL	Shockproof and waterproof Polypropilene Copolymer
SAMI ECOWOOD CATALOG CODE	EXTERNAL DIMENSIONS	69.1 x 69.8 x 41.4 cm
MANUFACTURER	INTERNAL DIMENSIONS	60.2 x 60.9 x 35.3 cm
	COLOR	Black
	CERTIFICATIONS	IP67 - DEF STAN 81-41/ STANAG 4280



Tripod Articulation

Allows the installation of the SAMI-Ecwood units on the tripod to treat surfaces at heights lower than 1.80 m.	MANUFACTURER	Sistemas Phoenix Mecano España. S.A.
	SAMI ECOWOOD CATALOG CODE	T&A002
	MATERIAL	Carbon Stell / Aluminum

SAMI[®] ecowood



maximum flow for maximum efficiency

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