



MICON THATCHBOR FR

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MICON THATCHBOR FR is a one-step treatment product now available to potential thatch owners who require both the benefits of a biological preservative as well as fire retardancy protection.

MICON THATCHBOR FR benefits

- fire safety assurance together with prolonged durability against fungal decay and insect attack
- tested in accordance with CSIR, DIN and UL (modified) requirements
- pre-treatment of the grass by an impregnation process ensuring total thatch protection
- proper control of active ingredients uptake and retention levels
- permanent once-off treatment only
- minimal effects from leaching as active ingredients are deposited inside the grass stem
- reduction in allergens, the cause of many allergies in children
- quality assurance monitored by the SABS and the CSIR
- environmentally safe
- patent pending

Wording for Typical Specification

"Treat thatch with **MICON THATCHBOR FR** in accordance with manufacturer's instructions - Micon, PO Box 307, Lonehill 2062, South Africa."

Description

MICON THATCHBOR FR is a dual purpose aqueous chemical system which contains both a fire retardant and borate-based biological preservative. Boron compounds for preservation are more widely preferred by international environmentalists. In addition, borates are known fire retardants and because of synergism between the preservative and fire retardant active ingredients, excellent fire retardancy is obtained.

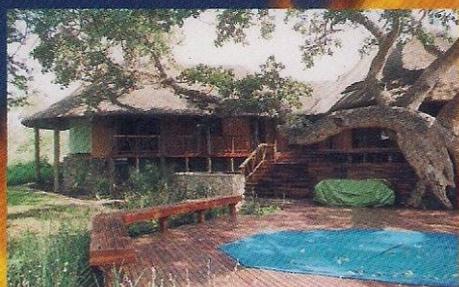
Treatment

MICON THATCHBOR FR is a once-off impregnation process that ensures full protection throughout the full depth of the thatch roof. An innovative aspect of Thatchbor is the treatment process. The natural wax layer on the surface of grass prevents the absorption of chemical products into the stem. The chemical composition of **MICON THATCHBOR FR** has been specially developed for impregnation which facilitates penetration right into the heart of the grass stem thus providing full treatment of the grass.

MICON THATCHBOR FR is the perfect partner for **FLAMBOR** - a dual purpose timber treatment product- the two products providing the perfect protection combination for thatch roofs and timber structures. Now a total "system", monitored by both the SABS and the CSIR, can be specified in order to fulfill the requirements of the CSIR's "Guidelines for Good Thatching Practice".

Environment

The **MICON THATCHBOR FR** active ingredients are based on compounds of low mammalian toxicity and treated thatch is safe to handle, process and dispose of. **MICON THATCHBOR FR** does not contain heavy metals and poses no persistent environmental pollution threats.



MICON THATCHBOR FR TECHNICAL INFORMATION

Product name: MICON THATCHBOR FR

Product type:

Dual purpose aqueous chemical system which contains phosphate-based fire retardants and borate-based preservative. **MICON THATCHBOR FR** provides permanent and wide spectrum protection against biological attack and imparts fire retardation to grass.

Good Thatching Practice:

It is crucial that the thatch roof construction complies with the CSIR's "Guidelines for Good Thatching Practice" as fire performance is also dependent on the construction of the thatch.

Quality Control:

Quality control procedures are of a high standard and all batch numbers are recorded for each contract and copies of certificates are kept by both Micon and the CSIR for each completed job.

Application:

Pre-treatment of thatch by vacuum impregnation.

Certification:

As the purpose of MICON THATCHBOR FR is to provide vital protection in the event of a fire, MICON offers a certificate for each contract. The homeowner, architect, developer or Building Control Officer can request a copy of this document.

Test Reports:

Properties	Test Method
Fire tests	DIN, UL (modified)
Weathering	CSIR, UL (modified)
Biological	CSIR

CSIR test report numbers BF 502/070 5600 5664
(Large and small scale tests)

PHYSICAL PROPERTIES:

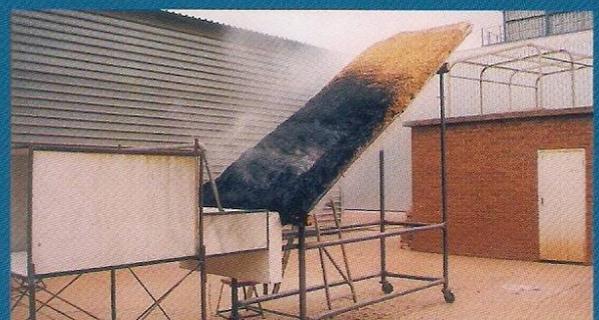
Appearance	: Clear liquid
Solubility	: soluble in water
Density @20 degC	: 1.16
Ph	: 3.5



The control panel burning fiercely just before collapsing



Spread of flame test: Burner extinguished



*Spread of flame test:
Glowing on bottom edge disappeared*