

THE BEST INSURANCE IS PREVENTION

All it takes is a spark for your home to go up in flames. But now, you can protect your home, your investment, and your family - with Flame Safe THATCH SAFE

It's revolutionary! THATCH SAFE actually creates a barrier to fire.

Bamboo Thatching Koa



THE FLAME SAFE ADVANTAGE

Flame Safe THATCH SAFE has many advantages for the user. Some of the most important are listed below:

- Quick and easy application.
- Water based. • Colorless.
- Non-toxic * • Contains no asbestos.
- Adds no appreciable weight.
- Requires no special cutting tools.
- Fungus inhibitor.
- Reduces smoke generation.
- Resistant to insects, rodents and certain molds.
- Will not harm plants or animals.
- Termite resistant.

* Slightly toxic during application phase only

QUICK AND EASY APPLICATION

Very little material preparation is required before using Flame Safe THATCH SAFE. Surfaces to be treated should be clean and dry. THATCH SAFE requires a 24-hour curing time before applying any overcoating for interior applications.

THATCH SAFE should be applied in its undiluted state. Apply three (3) coats at 500 square feet per coat per gallon with the final coverage rate of 166.3 square feet per gallon to unfinished wood. Apply THATCH SAFE with a conventional or airless sprayer, brush or roller. Use on substrates that are enclosed and/or in areas that are warm and dry. Treat all surface areas where possible. Substrates can be made fire resistant. THATCH SAFE creates a varnish like coating that provides long-term fire retardant protection. If overcoating is intended, THATCH SAFE is a surface primer for use under latex paints and permits surfaces to be tinted with water based stains.

It should be noted that unlike some products, materials treated with THATCH SAFE require no special cutting tools or special fasteners. The wood is not crystallized, made inflexible, or weakened. Treated wood maintains all structural strength and characteristics.

Contact parts of any equipment should be stainless steel or plastic to prevent chemical reaction and breakdown. Storage may be done in polyethylene containers



THATCH SAFE TECHNICAL DATA (Exterior / Interior)

Product Description: Aqueous Based Resin

Product Analysis:

Total Solids	42%
Weight per gallon	10.5 lbs.
Specific gravity	1.33
PH	2.6 - 2.9
Flash point	Non-flammable
Color	Water clear at 78°F - slight haze @ 50°F and lower
Volatility	Non-volatile
Solvents	Water (contains no petroleum or derivatives of petroleum)
Bacterial	Good resistance
Anti-Fungus	Excellent resistance
Linear shrinkage	None
Moisture absorption	None
Corrosive	Mildly
Toxic	None(when dry)
Insects, rodents, aspergilli and other types of molds	Excellent resistance
Termites	Excellent resistance
Preservative for wood	Good
Not harmful to plants	
Scrubability	1000 cycles

PRESERVATIVE

THATCH SAFE has wood preserving advantages as well as it's fire retardant qualities. Materials treated with THATCH SAFE provides immunity from insects, rodents and certain types of bacteria. Tests conducted on THATCH SAFE have shown that it protects against termite infestation and kills existing termites.

ENVIRONMENTALLY SAFE

Since Flame Safe THATCH SAFE is not an oil or solvent-based chemical, it is non-toxic as a liquid and remains that way -- even after application of heat.



HOW FLAME SAFE WORKS

Three components are necessary for fire: fuel, oxygen, and a source of ignition. Although you need to eliminate only one of these three components to extinguish a fire, FLAME SAFE products produce outstanding results by eliminating two of these components.

FLAME SAFE treated products automatically react with fire or heat to convert combustible gases and tars to non-combustible carbon char, nitrogen, and carbon dioxide. This chemical reaction substantially increases carbon char and creates an intumescent action, causing the surface to bubble-up and thereby creating a barrier between the fire and the treated material. The nitrogen produced as a by-product of the bubbling-up action displaces the oxygen, thus smothering the fire. The intumescent action separates the fuel from the source of ignition. This "double protection" is one reason only FLAME SAFE products are authorized to bear the FIREBUSTERS trademark.

FLAME SAFE treated materials produce significantly less smoke when exposed to fire. In many cases, smoke generation has been reduced by more than 50%, which is very important since smoke inhalation causes more deaths than fire.

**FIGHT THE DANGER OF FIRE
IN YOUR HOME**



**SOME VALUABLES CANNOT BE REPLACED
UP IN FLAMES... OR**

**FLAME
SAFE**

**THATCH
SAFE**

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THATCH SAFE
Flame Retardant


**THATCH
SAFE**

Fire Retardant

**THE
MOST EFFECTIVE
FIRE RETARDANTS
AVAILABLE**