

UNIVERSAL
FIRE-SHIELD



TS-600™
Tropical Shield

EMC Ember Control

ON-SITE APPLICATION

If you are like millions of people today who do not know of today's technological advances in fire and flame retardant applications. You might think nothing can be done to prevent or at least slow down house and building burn-outs.

Universal Fire Shield fire retardant applications have proven ability for over 15 years. Field tested and demonstrated for television and radio audiences. Tropical Shield TS 600™ can and does protect like no other product on the market. Tropical Shield sprayed on applications penetrate deeply into thatched type surfaces. After it dries it becomes part of the roofing system, a clear resin based flame retardant coating, preserving, creating a Fire resistant barrier, cutting smoke up to 70%.

Flying embers and fire-works are no match or Tropical Shield TS-600. Superior protection. With improved ember control Fire Poly the roof material becomes fire safe. Helps preserve material, resist insects, mold and mildew.

Universal Fire Shield Products



**Economical - Powerful - Preserving
Environmentally Safe**

Yes, it takes planning for prevention. Prevention is better than fighting a fire!

Today, this is possible with an application that will last up to 3 full years or more. Preserves the the beauty safely.

Existing as well as new roofing, natural siding, plywood decking, all can benefit from TS-600™. Recommended for Thatch leaf type roofs. Existing roofs and thatch are subject to flying embers from fire places and wildland fires, fire works.

Remain fire safe. WHY TAKE CHANCES?
Have it applied today and relax.

Remember insurance does not prevent loss of life or property, it is up to you to protect your property, your family and your pets.

Product Guaranteed 100% or your money back.
With CERTIFIED APPLICATIONS

UNISHIELD INTERNATIONAL, LLC

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Toll free 800-608-5699

Tropical Shield TS-600™



APPLICATION

Treat all wood and thatch surfaces. A minimum of two coats of application if sprayed. For construction of structure, apply during and after construction for maximum results. Thatched type roofs .

Surface to be treated must be dry up to 24 hours from rain and 4 hours from dew. Use full strength only! DO NOT DILUTE! Chemical compounds will weaken if thinned or mixed with any other components. Apply direct to surfaces and visibly see absorption. For thatch type roofs be sure to saturate up to 3 three coats being sure to get both sides.

Thatch and wood surface color may deepen slightly after application.

Thatch that is weathered will be helped against further degeneration for up to three years.

Thatch material should be sprayed or dipped. Two coat minimum must dry between coats.

Average coverage of treatment is 150-200 sq. ft. per US gallon. Be sure surface is clean of grease, dirt or concentrations of dust. Apply with hand or motorized spray equipment 8" to 12" from surfaces. No more than 200 psi for good results for less ever spray. You can also use airless paint sprayers, rollers, and brushes. Apply minimum of two coats, for maximum protection add a third light coat and be sure to cover as much of surface as possible Allow dry time between applications. Because the chemical dries down to an invisible coating make sure all surfaces have been coated both sides where possible..

Weather conditions should be dry for at least 24 hours. Clean up over-spray with water and mild detergent. Must cover any tile or concrete when applying. Clean up any over spray after applying, may need a small amount of clorox and water to counter react to surfaces.

SAFETY PRECAUTIONS: This product is a fire retardant and cannot be mixed in stains or paints! Tropical Shield™ is environmentally safe, but caution should be used and safety as with any applications. Gloves and Goggles are recommended with protective clothing to protect eye, lungs and skin from prolonged contact. Clean up with regular soap and water. Clean out spray unit with water until all residue is clear. You can mix detergent or small amount of bleach with a gallon of water to get extra clean. Avoid contact with eyes, flood with water for 15 minutes if concentrate gets in eye, and see physician if you are having a reaction. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

PRODUCT SPECIFICATIONS AND TECHNICAL DATA

UNIVERSAL Tropical Shield™ **MSDS** Information: Phosphoric Acid 26.5%, Methanol .85%. Other organic materials. This formula is a trade secret. Information herein is partial. This aqueous based resin liquid penetrate is recommended for internal and external use. Total Solids=31.5%, Weight per gallon=9.40 lbs., PH factor=6, Flash point=0 Non-flammable, Color=Sleight tint at 78 degrees F., slight haze at 50 degrees or less, Volatility=Non-volatile, Solvents=Water base no petroleum or petroleum derivatives, Anti=fungus=Excellent resistance, Bacterial=Mildly resistant, Linear shrinkage=Non, Corrosive=Mild in liquid form, Toxic=Non~ Insect, rodent, aspergilli and other types of mold=Excellent resistance, Preservative=Good, Plant and animal=Non harmful. No PBDEs no EPA issues.

Classified: Class B Fire Retardant Coating , Surface burning characteristics of applied coating.

Interior rating is Class B; Applications 3 years Interior. Exterior applications 2-Year or 125 inches of rain or simulated. Flame spread =45 or less, Smoke generation=110 or less, Meets or exceeds= ASTM E-84, ASTM E108 burning brand, ASTM-D2898, NFPA 255, NFPA 703, UL 723, ASTM E108 intermittent flame. Test results available on request. Complies with U. S. Federal Regulation guidelines for paint and coatings.

