



**NATIONS #1 FLAME RETARDANT**

**HEAVY DUTY - MAXIMUM PROTECTION**  
**COMMERCIAL, INDUSTRIAL, MILITARY**  
**AND RESIDENTIAL USE**

**A Superior Class "A"  
Intumescent Flame Retardant**

Fire Kote 100™ Heavy Duty water and resin based application. As a coating and a penetration agent it automatically reacts with fire and heat. It changes the chemicals in the wood and reverses the fire process.

Universal Fire Shield's exclusive Trade Secret formula is un-matched in performance and safety. Nitrogen is produced under high heat and fire displacing oxygen therefore reversing the ignition process.

Fire Kote 100™ comes with a 100% money back guarantee for performance and it protects like no other product. Fire Kote 100™ is the Nations number one seller. It out performs all other products on the market world wide. A clear coating that enhances and protects all natural wood surfaces. Can be a spray-on, rolled or brushed on or dipped to apply.

**WHEN ONLY THE BEST IS  
GOOD ENOUGH!**

**UNISHIELD INTERNATIONAL, LLC**

3544 WATERFIELD PKWY - LAKELAND, FL 33803

1-800-608-5699 - [www.firechemicals.com](http://www.firechemicals.com) - [info@universalfiresshield.com](mailto:info@universalfiresshield.com)



**RECOMMENDED FOR:**

All unfinished wood and wood material surfaces.

Plywood, OSB board, Man made board, Lumber, Timbers, I-Beams, Ship lap, Paneling, Decks, Doors, Window frames, Fencing, Cabinets, Furniture, Post, Sheds, also styrafoam sheets can be treated.

**FIRE KOTE 100™**

*Renders most woods  
non-combustible.*



# UNIVERSAL FIRE-KOTE 100™

**NATIONS #1 FLAME RETARDANT  
CLASS A INTUMESCENT COATING**



## APPLICATIONS: COMMERCIAL, INDUSTRIAL AND MILITARY

An exclusive heavy duty formula flame inhibiting chemical un-matched by any other product on the market. A SUPERIOR HEAVY DUTY GRADE. Fire Rated Class "A". Specifically formulated for maximum protection. EXTERIOR AND INTERIOR Woods, Lumber, Leaves, Straw, Rope, Fiberboard. Paperboard. Corrugated box board, fabric materials such as canvas and other materials. Meets Military and NFPA 30 standards for packaging. Fire-Kote 100™ formula has met the test, Southwest Research and other testing agencies. Universal Fire-Kote 100™ meets and exceeds the ASTM E-84, (UL 263 same tunnel test) UBC 42-1 and NFPA 255 for surface burning characteristics for applied coatings, NFPA 703, ASTM E-108. Can be applied to most porous surfaces. For other uses contact our home office. Recommended for professional applicators. Most powerful fire retardant known. When only the best is good enough always demand Fire Kote 100™. On wood surfaces 5 year exterior and 25 year interior.

UNIVERSAL PROTECTIVE TECHNOLOGIES, UNIVERSAL FIRE-SHIELD PRODUCTS™ are leaders dedicated to setting standards for Fire Prevention Chemicals through our on going research and development. It is our resolve to educate and inform the Public, Contractors, Industrial users, manufacturer and Architects. Environmentally safe flame retardant chemicals.

**UNIVERSAL FIRE-KOTE 100™** Trade Secret Formula - ZB MSDS=Phosphoric Acid 18%, Formaldehyde 2%. This is an aqueous based resin liquid coating and penetrant. Total Solids =49.1%, weight per gallon 9.1 lbs., specific gravity = 1.33, PH factor =5.5, Flash Point Non-flammable, Color =Blue tint clear at 78 degrees F. Slight haze at 50 degrees F. and lower, Volatility= no petroleum or lead, Fungus= anti-fungus, Bacteria=mildly resistant, Linear shrinkage=None, Moisture absorption=None, Corrosion=Mildly when in solution, Preservative=excellent, Pest resistant= excellent. These chemicals comply with all United States Federal Regulations. Meets or exceeds national, city, county and state fire codes.

## APPLICATION PROCEDURE:

Can be applied by brush, roll coater, paint roller. Pressure spray at 50-250 psi. is recommended for commercial applications. For best results apply Fire-Kote 100™ two coats. Allow to dry slightly between coatings. Application rate 200 sq. ft. to one gallon. Applicator of chemical should wear protective clothing, eye ware, neoprene gloves and an appropriate mask the same type as for paints or chemicals for inclosed areas. Good ventilation is recommended. Allow to dry between coatings. Clean up over spray as soon as possible, clean up equipment as soon as possible with water and detergent soap or bleach. Mildly toxic during application phase only. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. If chemical gets into eyes wash out immediately flood with water. SAME PRECAUTIONS AS FOR PAINT AND STAIN.

**Classified:** FIRE RETARDANT INTUMESCENT COATING, SURFACE BURNING CHARACTERISTICS OF APPLIED COATING . FIRE-KOTE 100™ Superior Heavy Duty Grade. Fire Rated Class "A" Yellow Pine, Redwood, Plywood, Cedar, Manufactured Board. Flame Spread =25, Smoke developed =26, Number of coats = 2, Rate per coat (ft2/gal) 360, Flash point= 0, clear liquid coating , no flash. Meets or exceeds ASTM E-84, (U.L. 723 same tunnel test), NFPA 255, NFPA 703, ASTM E-108, UBC 42-1 . Universal Fire-Shield Chemicals™ meet or exceed existing and current federal, state, industrial, national and local fire codes.

