

# UNIVERSAL FIRE-SHIELD



## FIRE-KOTE 100

**FK -100™  
FIRE-POLY**

HEAVY DUTY

## COMMERCIAL, INDUSTRIAL, MILITARY AND RESIDENTIAL USE

**A Superior Class "A" fire retardant.**

Fire Kote 100™ heavy duty resin based coating and penetrants automatically react to fire and heat, making a chemical change in the wood. Universal Fire-Shield™ exclusive Trade Secret Formulas are un-matched in performance and safety. Nitrogen is produced as a by product when under heat or flame displacing oxygen reversing the ignition process. Fire Kote 100 comes with 100% money back guarantee and gives double protection out performs all other products on the market world wide. Clear coating sprayed, rolled or brushed on application.

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



**UNIVERSAL FIRE SHIELD, LLC**

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www.firechemicals.com - 1 800-608-5699



**Meets or exceeds:**

NFPA 30, NFPA 255, NFPA 703, ASTM-E-84,  
ASTM E-108, UBC 42-1.  
Flame Spread=25 Smoke Develop=50  
(See tech. Information) UL 723 same basic test  
as ASTM E84, a published test standard.  
Resist: Black Mold, Mildew & Fungi.  
Ask about Certified Applications.

**RECOMMENDED FOR:**

**All natural wood material surfaces...  
Plywood, Lumber, Timbers,  
I-Beams, Ship lap, back of Paneling,  
Thatched roofs, Decks, Doors and  
Window frames, Fencing, Raw furniture  
and many more.**

Exterior:  
5 Year Warranty  
Interior:  
20 Year Indefinite



Also for pressure Impregnation.



National  
Fire Prevention  
Association  
Member

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## UNIVERSAL FIRE-KOTE 100™

### 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. Universal Fire-Kote 100 meets or exceeds the ASTM E-84, UBC 42-1 and NFPA 255 for surface burning characteristics for applied coatings, NFPA 703, ASTM E-108, \*UL 723 (ASTM E84) utilize the same basic test. Can be applied to porous surfaces. For other uses contact your distributor or 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™ AND FLAME SAFE CHEMICALS™ 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 industrial, manufacturer and the public and its providers on the significance and use of environmentally safe fire retardant chemicals.

UNIVERSAL FIRE-KOTE 100™ Trade Secret Formula - Fire Poly **MSDS**=Phosphoric Acid 18%, Formaldehyde 2%. This is an aqueous based resin liquid coating and penetrant. Total Solids =49.1%, weight per gallon 9.5 lbs., specific gravity = 1.33, PH factor =6, 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, 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 25-150 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 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 ALL PAINT AND STAIN.**

**Classified:** FIRE RETARDANT COATING, SURFACE BURNING CHARACTERISTICS OF APPLIED COATING . FIRE-KOTE 100™ Superior Heavy Duty Grade. Fire Rated Class "A" Third party and field tested. Douglas Fir, Yellow Pine, Redwood, Plywood, Cedar, Manufactured Board, others. Flame Spread =25, Smoke developed =50, Number of coats = 2, Rate per coat (ft<sup>2</sup>/gal) 360, Flash point= 0, liquid coating , no flash. Meets or exceeds ASTM E84, NFPA 255, NFPA 703, ASTM E-108, NFPA 30, UBC 42-1. Note \*UL 723 (ASTM E84) and ULC S102.2 utilize the same basic Steiner Tunnel apparatus, see public information at: ([www. google.com](http://www.google.com)). Universal Fire-Shield Chemicals™ meet or exceed existing and current federal, state, national and local fire codes.

