

WT-102

PRODUCT DATA SHEET

FLAME RETARDANT FLAT LATEX BASED COATING



WT-102 Flame Retardant Coating is a Class A (Class 1 and Class 2) Non-Hazardous, Non-Toxic, Flat Interior, Latex-Based Flame-Retardant Intumescent Coating for Application over Raw Wood, Polystyrene & Other Surfaces. WT-102 has excellent adhesion abilities.

TECHNICAL DATA:

- Appearance - consistency of paint.
- Available in white, black and color-base for mixing of custom colors. Use water-soluble dispersible tint. When tinting, use no more than 8oz of tint per 1 gallon.
- Weight - 5-gallon pails weigh 60 lbs.
- Storage - do not allow to freeze. Store between 40°F and 80°F.
- Shelf life is one year if container is unopened. To prevent thickening, protect paint from air exposure.
- Do not add water or change chemical composition in any way.
- Closed containers exposed to heat may rupture due to pressure build-up.
- State of CA may require application by a CA State Certified Applicator to comply with requirements of the California State Fire Marshal and for a Certificate of Flame Resistance to be issued.

Don't forget, WT-102 can be tinted with liquid dispersion tints for custom colors! Purchase WT-102-CB for Bold, Bright Colors and WT-102 White for Pastels

APPROVALS:

California State Fire Marshal Approval #C-10000, NYC COA #5866, ASTM E84 Class A & B on Wood and Fabric, Meets ANS No. 2.5, NFPA 255, UL No. 723, UBC No. 42-1 British Standard 5867: Part 2:1980 & British Standard 476: Part 7:1987. Closed Cell Polystyrene. UL 94 HB, V-0, V-1, V-2, 5VA or 5VB. Previously Approved by ICBO Report #3656 and City of Los Angeles Research Report #RR 24303.

APPLICATION INSTRUCTIONS:

Before using, user must determine suitability of this product for its intended use.

- Prepare substrate by sanding and removing any dirt or coatings from surface.
- Applicator must wear paint mask and gloves suitable for latex coatings.
- WT-102 must be mixed extremely well. Minimize contact with air as product dries fast.
- **Luan:** Class A or Class 1 at 125 sq. ft. per gallon, in 1 Coat or 15-16 wet mils.
- **Doug Fir & Birch:** Class A or Class 1 at 200 sq. ft. per gallon in two coats
- **MDF:** Class B or Class 2 at 150 sq. ft. per gallon in one coat
- **Nylon Netting:** NFPA 701 and CA Title 19 Roll application at 130 sq. ft. per gal. in two coats
- **Closed Cell Polystyrene (EPS) Type 1 Closed Cell Foam Class B** Apply with airless sprayer with a 415-spray tip, brush or ½" nap roller in 1 application at 22 wet mil thickness to all exposed areas.
- **OEM Manufacturing for custom applications** – contact manufacturer for specifics

CLEAN-UP:

Flush sprayer and/or equipment with water and wash hands with soap and water.

CAUTION:

Keep out of reach of children. Do not ingest. Call physician if swallowed. Clean with soap and water all contacted areas.

WARRANTY AND DISCLAIMER

Use only as directed. Sellers and Manufacturers only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or inability to use the product. Before using, user must determine the suitability of the product for its intended use. The user assumes all risk and liability whatsoever in connection therewith. Any statement or recommendation not contained herein shall have no force or effect unless contained in an agreement signed by officers of seller and manufacturer. Deterioration of coatings applied to interior finishes can occur due to ambient conditions and repeated cleaning of the surface or painting over applied coatings. Fire Retardants shall possess the desired degree of permanency and shall be maintained so as to retain the effectiveness of the treatment under the service conditions encountered in actual use. Periodic testing and inspection are recommended.



Safety Data Sheet (SDS) - WT-102 Latex Flame Retardant Coating

1. Identification

Product Identifier	WT-102 flame retardant coating with adhesion abilities
Other means of Identification	Flame retardant coating
Recommended use	Refer to manufacturer sell sheet
Recommended restrictions	Refer to manufacturer sell sheet
Manufacturer name	Firetect, Inc.
Address	28298 Constellation Road Valencia, CA 91355
Country	USA
Phone	661-295-3473
Fax	661-295-3880
E-mail	info@firetect.com
Website	www.firetect.com

2. Hazard(s) Identification

Emergency overview	Irritant.
Classification	
Hazard symbol	Category 5. No symbol.
Signal word	Warning.
Potential health effects	
Inhalation	Over-exposure may cause irritation. If not breathing, give artificial respiration. Seek medical attention.
Eyes/Skin	Cleanse affected areas with mild soap and water. If irritation develops, seek medical attention.
Ingestion	If drowsy or unconscious, place victim on left side with head down. Do not give anything by mouth; seek medical attention.
Environmental hazards	No known significant environmental effects.
NFPA/HMIS classification	Health: 0 Flammability: 0 Reactivity: 0 0-Least, 1-Slight, 2-Moderate, 4-Extreme

3. Composition/Information on ingredients

Chemical name	CAS number	Percent
Water	7732-18-5	37-46%
Ammonium Polyphosphate	68333-79-9	18-25%
Pentaerythritol	155-77-5	3-12%
Melamine	108-78-1	7-13%
Other ingredients (Trade secret per 29 CFR 1910.1200)	-	4-35%
NO REPORTABLE HAZARDOUS INGREDIENTS		

4. First-aid measures

Inhalation	Remove person to fresh air. If necessary, seek advice of a physician.
Skin contact	Wash skin with soap and water. Launder clothing before reuse.
Eye contact	In case of eye contact, flush with running water for at least 15 minutes. If irritation persists, seek advice of a physician.
Ingestion	If swallowed, induce vomiting and seek medical attention.

www.firetect.com | Firetect™, Inc. 28298 Constellation Road, Valencia, CA 91355

Safety Data Sheet (SDS)
WT-102 Flame Retardant Coating

5. Fire-fighting measures

Suitable extinguishing media	For dry solids use water foam, CO2, or dry chemical fire-fighting apparatus.
Unsuitable extinguishing media	None.
Specific hazards arising from the substance or mixture	None.
Special protective equipment and precautions for fire-fighters	Closed container exposed to heat may cause rupture due to pressure build-up.

6. Accidental release measures

Personnel precautions	None.
Environmental precautions	Avoid runoff into storm sewers, ditches, and waterways.
Cleanup measures	Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts may be absorbed into appropriate absorbent. Dispose of product in accordance with applicable local, county, state and federal regulation.

7. Handling and storage

Precautions for safe handling	Avoid breathing mist. Avoid prolonged skin contact.
Engineering controls	Use local exhaust ventilation if sprayed inside. Otherwise, general ventilation is adequate.
Conditions for safe storage	Store upright in original sealed containers and in a cool, dry location away from light and strong frost.
Storage temperature	Storage should not exceed 80°F or fall below 40°F. Do not allow to freeze.
Shelf life	Shelf life is one year, if containers are unopened.

8. Exposure controls/Personal protection

VOC	47 Grams/Liter
Exposure controls	Use appropriate engineering controls such as proper ventilation. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards.
Personal protective equipment	
Eye/Face protection	Wear goggles to avoid overspray and splashing. Eye and face protection should be in accordance with OSHA 29 CFR 1910.133.
Hand/Arm protection	Rubber or plastic gloves are recommended.
Respiratory protection	Use an N-95 or P-95 mask. If sprayed, wear an air-purifying respirator approved by NIOSH in accordance with OSHA 29 CFR 1910.134(d)(1)(ii). If used in a confined area, a full-face, powered air-purifying respirator (PAPR) or supplied-air respirator (SAR) is recommended. Use respirators in accordance with 29 CFR 1910.134(d)(3)(i)(A) Table 1, 29 CFR 1910.134(d)(3)(iii)(B) and 29 CFR 1910.134(d)(3)(iv)(B).

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Color	Color base and tinted black or white.
Odor	Very faint odor.
Odor threshold	Not applicable.
pH	
% volatile by vol	
Freezing point	32°F
Boiling point	212°F
Specific gravity	1.08
Evaporation rate	Less than water.
Vapor pressure	None.
Vapor density	Equal to water.

Safety Data Sheet (SDS)
WT-102 Flame Retardant Coating

Flashpoint	Not Applicable
10. Stability and reactivity	
Reactivity	None.
Chemical stability	Stable.
Incompatible materials	Strong oxidizers.
Decomposition materials	Carbon dioxide, carbon monoxide.
11. Toxicological information	
Acute toxicity	
Potential health effects	
Inhalation	May be harmful if inhaled. Short-term exposure may cause irritation of nose, throat and lungs.
Eyes/Skin	May be harmful in contact with eyes/skin. Short-term exposure may cause irritation.
Ingestion	May be harmful if swallowed. Possible stomach irritation and nausea.
12. Ecological information	
Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.
13. Disposal considerations	
Waste disposal of product	Do not discharge product into storm or waste water sewer systems. Dispose of product in accordance with applicable local, county, state and federal regs.
Contaminated packaging	Dispose of in accordance with federal, state, and local regulations.
Container disposal	Plastic pails are recyclable. Rinse well before recycling or disposal. Dispose of in accordance with federal, state, and local regulations. Contact local authorities for further information.
14. Transport information	
Land transport	
USDOT	Non-hazardous product. Not regulated.
Marine transport	
IMDG	Non-hazardous product. Not regulated.
Air transport	
IATA	Non-hazardous product. Not regulated.
15. Regulatory information	
Additional safety, health and environmental regulations	Not applicable.
16. Other information	
Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 and prepared to GHS.	
Preparation information	
Prepared by	Firetect®, Inc.
Disclaimer	It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information given is presented in good faith and believed to be correct as of the date hereof, based on available data, material components, and similar materials. Firetect®, Inc. cannot anticipate conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used.