

A patented intumescent fire retardant with three very impressive test scores!

**Flame Spread - 0 Toxicity - 0 Smoke Developed - 0**



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#### **A. ASTM E84-87, Surface Burning Characteristics of Building Materials**

Eter Board, Douglas Fir, Low Density Fiberboard, Composite Panels, United States Testing Company, Inc., Fairfield, New Jersey

#### **B. UL 723 - Report on Fire Retardant Coating under the CLASSIFICATION PROGRAM**

Douglas Fir, Underwriters Laboratories, Northbrook, Illinois

#### **C. UL 94 and 746C Tests for Flammability of Plastic Materials for Parts in Devices and Applications**

Performed at Underwriters Laboratories on grades PVC-3, PVC-4, AL-2, and SS-1. (UL 94 is equivalent to ASTM D3801 and IEC 707 ISO 1210.2) using NoFire A-18 Vertical Burn Test

Included in these tests were: Surface resistivity - on Aluminum, Stainless Steel, and PVC UL746C Flexural strength - on Aluminum, Stainless Steel, and PVC ASTM D-790 Environmental - on PVC, UL746C, ASTM D-790

Performed at Underwriters Laboratories on Wood Particle Board using NoFire A18.

#### **D. Uniform Building Code UBC 8-2 (Formerly UBC 42-2) Standard Method for Evaluating Room fire Growth Contribution Of Textile Wall Coverings**

Tests on ¼" hardwood plywood, T111 plywood, wood shingles, ½" hardboard siding, and lap 7/16" flakeboard siding. Performed using NoFire A, at University of California, Berkeley, June, 1992

Tests on T111 Plywood, Cedar Shakes using NoFire A18 performed at University of California, Berkeley, 1995

Tests on ¼" Sterling Board coated with 18 coats of alkyd base paint, and topcoated with NoFire A18, performed at VTEC Laboratories, Bronx, New York, 1996

Tests on Cement Board coated with 6 coats of alkyd base paint, and top-coated with NoFire A18, performed at VTEC Laboratories, Bronx, New York, 1999

Tests on T-111 Plywood Panels coated with 1 coat of NoFire A18 and top-coated with exterior latex paint, performed at VTEC Laboratories, Bronx, New York, 1999

Tests on Sheet Rock Panels coated with 8 coats of interior latex paint top-coated with NoFire A18, and finished with 1 coat exterior latex paint, performed at VTEC Laboratories, Bronx, New York, 1999

#### **E. Report of Material and Equipment Acceptance (MEA#: 104-96-M)**

Department of Buildings, City of New York, May 16, 1996

#### **F. Approval as Registered Flame Resistant Product**

California Department of Forestry and Fire Protection Office of the State Marshal

#### **G. Approval as Registered Flame Resistant Product**

Department of Buildings, State of Rhode Island

#### **H. Toxicity Tests**

- NES 713 Test: Test performed at VTEC Laboratories, January 29, 1996 NoFire A
- Gas Analysis by the Dragger Tube Method: ASTM E662 - NoFire A Tests performed by HPVA Laboratory and Testing Service, March 1, 1996
- Acute Inhalation Toxicity of Thermal Degradation Products using the NYS Modified Pittsburgh Protocol: Tests performed at United States Testing Laboratories, Fairfield, New Jersey on NoFire A18
- Gas Analysis by the Dragger Tube Method: ASTM E662 - NoFire CT3 Coal Tar Epoxy Tests performed by HPVA Laboratory and Testing Service, March 1, 1996
- MIL M-14H NoFire A: Tests performed by United States Testing Company, June 17, 1992
- Boeing and Bombardier Standards
- ASTM D-3359
- Standard Method for Adhesion Test Test performed at United States Testing Company, January 16, 1996 to January 18, 1996

#### **J. NFPA 417**

Standard on Construction and Protection of Aircraft Loading Walkways Tests performed at Underwriters Laboratories, Canada, on Aircraft Loading Bridges, May 1994.

#### **K. International Maritime Organization, IMO Resolution A.754 (18)**

and High Speed Craft Code (HSC) for aluminum and steel construction. Intertek Testing Services NA Ltd. Coquitlam, British Columbia, Canada Certificate Of Approval, Ministry of Transport, Canada

#### **L. Fire Endurance Test of Versa Wrap Raceway Fire Barrier Systems for Conduit and Cable Trays**

Conducted according to Nuclear Regulatory Commission (NRC) Generic Letter 86-10 Supplement 1, One and Three Hour Protocol for Conduit, Cable Trays, Junction Boxes and Hangers Omega Point Laboratories, Elmendorf, Texas

#### **M. ASTM E814-88**

Standard Method for Fire Test Through-Penetration and Fire Stops, on PVC pipes performed at Southwest Research Institute, San Antonio, Texas

#### **N. ANSI/IEEE Standard 383**

Standard Test of Class 1E Electrical Cables for Nuclear Power Generation Stations (Cable Coating) Test performed by Underwriters Laboratories, August 19, 1996

#### **O. FAR 25.855, Appendix F, Part III, Amendment 25-60**

Flammability of Aircraft Cargo Liners Tests performed by Flight Insulation Co., at US Testing Co., December 1993 using No Fire 2025/30. Specifications meet codes of FAR 25.855, Appendix F, Part III, Amendment 25-60(now FAR 25.855(c) as changed by Amendment 25-72)

#### **P. NAVSEA MIL-STD-2031**

Fire Protection of Glass/Vinyl Ester Composites for Structural Applications Naval Surface Warfare Center, Carderock Division, Bethesda, Maryland

#### **Q. Uniform Building Code UBC 17-5**

Room fire test for interior of foam plastic systems Test performed at Southwest Research Institute, San Antonio, Texas, and December 5, 1995

**R. ASTM E152, BS-476 Part 22, ISO-3008**

Standard Methods of Fire Tests of Door Assemblies Tests performed by Weyerhaeuser Co. on 1 5/8" Particle Core Profile Doors. ASTM E152 - Longview, Washington - May 1993 BS-476 Part 22 - Trade Technology Ltd., Buckinghamshire, England - August 1993 International Standards Organization - Test #: ISO-3008, - August 1993

**S. CAN4 S104-M80**

Standard Methods of Fire Tests of Door Assemblies Tests performed at Underwriters Laboratories Canada on Retrofit Doors, May 1994.

**T. FC708**

Acoustical Ceiling Fire Tests Tests performed by US Gypsum, June 1994

**U. MIL-STD 1648A**

Radiation Heat Flux on Naval Missile Canister, performed by FMC Corporation for the US Navy.

**V. Approval for use at Zaporozhye Nuclear Power Station, Ukraine**

First Deputy Chairman Ukrainian State, Committee, Nuclear Energy, September 19, 1995

**W. United States Patents**

