Fire Test Results

Type/Description	Test Standard	Observation / Results
Method of Test For Fire Propagation For Products	BS 476: PART 6: 1989	Fire Propagation Index, 1 = 5.3
Methods For Classification Of The Surface Spread Of Flame Of Products	BS 476: PART 7: 1987	Classified as Class1
Fire Hazard Test To NES 713 (Issue 3) As Amended November 1991 Determination Of The Toxicity Index Of The Products Of Combustion from small Specimens of Materials	NES 713 (Issue 3)	Toxicity Index = 0.2
BS 6853 Annex D.8.6 "3 Metre Cube Smoke Emission – Flooring Tests"	BS 6853: 1999 Annex D.8.6	6mm Velstone : FIR/01148/1 **Result**: A_0 = 134 m^2/m^2 (mean result of two tests, +/- 5.3%) 13mm Velstone : FIR/01148/2 **Result:** A_0 = 250 m^2/m^2(mean result of two tests, +/- 6.8% No Flaming Results was seen outside the ignition source in any of the tests.
"3 Metre Cube Smoke Emission – Flooring Tests" 13mm thick Velstone Solid Surface Material bonded to 18mm thick FR Grade MDF.	BS 6853: 1999 Annex D.8.6	6mm Velstone : FIR/01148/1 Test Reference: FIR/01148/1A: $\%T_{(min)}$ =23.7%@40mins FIR/01148/1B: $\%T_{(min)}$ =27.4%@40mins FIR/01148/1A: A_0 = 141 M^2/ M^2 FIR/01148/1B A_0 = 127 M^2/ M^2 **Result:** A_0 = 134 m^2/m^2 (mean result of two tests, +/- 5.3%) No Flaming Results was seen outside the ignition source in any of the tests.
"3 Metre Cube Smoke Emission – Flooring Tests" 6mm thick Velstone Solid Surface Material bonded to Zintec Steel	BS 6853: 1999 Annex D.8.6	13mm Velstone : FIR/01148/2 Test Reference: FIR/01148/2A: $\%T_{(min)}$ =6.5%@40mins FIR/01148/2B: $\%T_{(min)}$ =9.2%@40mins FIR/01148/2A: A_0 = 267 M^2/ M^2 FIR/01148/2B A_0 = 233 M^2/ M^2 **Result:** A_0 = 250 m^2/m^2 (mean result of two tests, +/- 6.8%) No Flaming Results was seen outside the ignition source in any of the tests.
3 Metre Cube Smoke Emission – Flooring Tests" On 12mm thick Velstone	BS 6853: 1987 Appendix B.9.3	12mm Thick Velstone : FT98/952/1 Sample / A_0(On) (m^2/ m^2 burn area) / A_0(Off) (m^2/ m^2 burn area) FT98/952/1a 8.10 12.61 FT98/952/1b 8.28 12.66 **Mean** **8.2** **12.6**

Test For Measuring The Specific Optical Density Of Smoke Emitted By The Combustion Of Pyrolysis Of Solid Materials	NFX 10 – 702: APRIL 1986	VOF4 Flaming Mode 1st Specimen = 44.52 VOF4 Non-Flaming Mode 1st Specimen = 2.15 VOF4 Flaming Mode Average Of Three Results = 34.80
Analysis Of Pyrolysis And Combustion Gases Tube Furnace Method	NFX 70 – 100: JUNE 1986	C.I.T value 9.77
F Classification In Accordance With NF F-16-101 Railway Rolling-Stock Fire Behavior Choice Of Materials	NF F-16-101	The SI value is 9.21 Classified as F1
Determination Of "M & F" Rating in Accordance with NF16-101	NFX 70 NFX 70 - 100 NFP 92-501	1. NFX 70 – 702 "Smoke Emission Test" VOS_4 value in Non-Flaming Mode : 1st Specimen = 2.15 VOS_4 value in Flaming Mode : 1st Specimen = 44.52 Dm(Max) Flaming Mode average of three results = 316.35 VOS_4 Flaming Mode average of three results = 34.80 2. NFX 70 – 100 "Toxicity Test" C.I.T = 9.99 Classified as F1. 3. NFP 92-501 "Epiradiateur" M rating Of M2
Epiradiateur Test NFP 92-501	NFP 92-501	Classified as M2
The Classification Of Materials Of Construction And Decoration to reaction to fire		Classified as M2
Cigarette Burn Test	NEMA LD5-3.08	PASS
Flame Spread Test	ASTM Designation E-84	Class 1
Flame Spread Classification and Smoke Density Developed		Flame Spread :25 NFPA CLASS : A UBC CLASS : 1 Smoke Density : 130