



FIRE TEST REPORT

Lab. Ref. No.:	FST12032	Report No.:	R35069/F Page 2 of 2
Material:	ARMORDON FR		
Customer:	DON & LOW LTD.	P.O. No.:	W004054
Date of Test:	12/06/2009	W.O No.:	L6884
Test Method:	See below	Rel. Note No.:	
Specification:	See below		
Specimen Conditioning:	24hr. min. at 21 +/- 3°C and 50 +/- 5% RH		

TEST PARAMETER	TEST RESULT			MEAN	CRITERIA (max. average)	PASS/FAIL
	1	2	3			
FLAMMABILITY						
F1 FAR/JAR/CS 25.853(a) App.F Pt.I(a)(1)(i) 60s. Vert.	Afterflame (sec)				15sec.	
	Burn Length (in)				6in.	
	Drip Exting Time (sec)				3sec.	
F2 FAR/JAR/CS 25.853(a) App.F Pt.I(a)(1)(ii) 12s. Vert.	Afterflame (sec)				15sec.	
	Burn Length (in)				8in.	
	Drip Exting Time (sec)				5sec.	
F3 FAR/JAR/CS 25.853(a) App.F Pt.I(a)(1)(iv) 15s. Horiz.	Burn Rate (in/min)	0.0	0.0	0.0	2.5in/min.	PASS
F4 FAR/JAR/CS 25.853(a) App.F Pt.I(a)(1)(v) 15s Horiz.	Burn Rate (in/min)				4.0in/min.	
F5 FAR/JAR/CS 25.855(d) App.F Pt.I(a)(2)(ii) 30sec/45°	Afterflame (sec)				15sec.	
	Afterglow (sec)				10sec.	
	Flame Penetration				YES/NO	
F6 FAR/JAR/CS 25.869(a)(4) App.F Pt.I(a)(3) 30sec/60°	Afterflame (sec)				30sec.	
	Burn Length (in)				3in.	
	Drip Exting Time (sec)				3sec.	
HEAT RELEASE *						
F7 FAR/JAR/CS 25.853(d) App.F Pt.IV(g)	2 min. Total HR (kWmin/m ²)				65(kWmin/m ²)	
	Peak HR (kW/m ²)				65(kW/m ²)	
SMOKE EMISSION *						
F8 FAR/JAR/CS 25.853(d) App.F Pt.V(b)	Ds Max in 4 min. (Flaming)				200	
F9 Airbus ABD0031 Boeing D6-51377	Ds Max in 4 min. (Flaming)				150 / 200	
	(Non-Flaming)				200	
TOXIC GAS EMISSION						
F10 Airbus ABD0031 Boeing D6-51377	CO (Flaming)				1000 / 3500	
	CO (Non-Flaming)					
	HCN (Flaming)				150 / 150	
	HCN (Non-Flaming)					
	HF (Flaming)				100 / 200	
	HF (Non-Flaming)					
	HCl (Flaming)				150 / 500	
	HCl (Non-Flaming)					
	SO ₂ (Flaming)				100 / 100	
	SO ₂ (Non-Flaming)					
	NO _x (Flaming)				100 / 100	
	NO _x (Non-Flaming)					

* SEE ATTACHED GRAPHS

FILENAMES:

COMMENTS

FLAMING CEASED BEFORE TIMING ZONE REACHED

TESTED BY:

Flammability: Min Flame Temp. 843C (1550F)
Smoke Emission: Heat Flux 2.5 +/- 0.05W/sq.cm

N. Orpwood
Test Engineer



DATE:

15 June 2009

Heat Release: Calibration Factor 0.2208kW/mV, Heat Flux 3.5 +/- W/sq.cm

APPROVED BY:

D.J. Drewry
Technical Director



DATE:

15 June 2009

UNCERTAINTY OF MEASUREMENT

Flammability - Afterflame/Drip Exting Time +/- 0.7sec, Burnlength +/- 0.1in, Burn Rate +/- 0.1in/min Heat Release - +/- 1.5% Smoke Emission - +/- 4% Toxic Gas Emission - +/- 15%