

SUPERIOR PRODUCTS INTERNATIONAL II, INC.

IMO A.653(16) FLAME SPREAD DATA

**PRODUCT:** SUPER THERM, BATCH #060801B **VTEC #** 100-1207-10  
**SOURCE:** SUPERIOR PRODUCTS INTERNATIONAL **COLOR:** WHITE  
**DIMENSIONS:** 153 mm X 799 mm **AL FOIL ?** Yes  
**SPECIMEN THICKNESS:** 2.43 mm **DATE:** 10/22/2001  
**COATING THICKNESS:** 20 mils wet nominal thickness of Supertherm on 14 gauge steel


**OBSERVATIONS:** There was no unusual behavior or dripping during the test.

TIME TO:	150 mm	200 mm.	250 mm.	300 mm.	350 mm.	400 mm.
Sample #	sec.	sec.	sec.	sec.	sec.	sec.
1	194	-	-	-	-	-
2	189	-	-	-	-	-
3	201	-	-	-	-	-

	SAMPLE 1	SAMPLE 2	SAMPLE 3	AVERAGE
Nonimpinging Pilot flame used?	YES	YES	YES	
Test Duration (min.)	8.10	8.32	8.70	8.37
Heat of Ignition (MJ/m <sup>2</sup> )	6.79	6.61	7.03	6.81
Heat of Sustained Burning at (MJ/m <sup>2</sup> ):				
150 mm	6.79	6.61	7.03	6.81
200 mm	-	-	-	-
250 mm	-	-	-	-
300 mm	-	-	-	-
350 mm	-	-	-	-
400 mm	-	-	-	-
Sample Average:	6.79	6.61	7.03	6.81
Time of Extinguishment (min.)	5.10	5.32	5.70	5.37
Distance burned (mm)	180	190	195	188
Critical Flux at Extinguishment (kW/m <sup>2</sup> )	33.32	32.76	32.48	32.85
Total Heat Release (MJ)	0.18	0.16	0.21	0.18
Peak Heat Release (kW)	0.61	0.54	0.62	0.59
Heat for Sustained Burning (MJ/m <sup>2</sup> )	6.79	6.61	7.03	6.81

**CONCLUSIONS:** The specimens provided met all of the requirements per IMO Resolution A.653(16) for bulkhead, wall and ceiling linings.

  
Neil Schultz  
Executive Director

  
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Technical Director