



**TEST REPORT**  
 Measurement of Heat Release  
 acc. to PAR 25.853 (c) App. P part IV  
 Amdt. 25-72

Test report  
no. :7

Address: Mankiewicz

Paint Material: 1100

Manufacturer of Designation:  
Mankiewicz

Address Manufacturer:  
21084 Hamburg

Substrate: Panel  
Smyth Plastics, 2.3 mm

Thickness of specimen: 2.5mm  
Film thickness:  
70 my

Conditioning: 24 hr, 21° C, 50% rel. Humidity

Heat flux density: 3.5 W/cm<sup>2</sup>

Air distribution: 40.0 l/sec.

Calibration factor: 0.338 kW/mV \* m<sup>2</sup>

Air temperature: 25.4 °C

Baseline Voltage: 21.9 mV

Sam. No.	Samples		HRR		HR (kW min/ m <sup>2</sup> )	
	Weight (g)	Thickness (mm)	In 5 min. (kW/ m <sup>2</sup> )	Time (s)	2 min.	5 min.
1		2.5	55.20	11	15.87	114.29
2		2.5	58.27	14	14.93	95.20
3		2.5	47.81	14	15.46	78.79
4						
Mean value			<b>53.76</b>		<b>15.42</b>	
High value						

Remarks:

The competence of the test arrangement, with the purpose of demonstration of fire properties of materials in acc. with FAR § 25.853 (a), (a-1), (b), (c); § 25.855 Amdt. 25-32/59/60/61/66 has been confirmed by the German Aviation Authority (LBA) with Az. I 234-227/1/89 on March 10, 1989.

These test results are in correspondence with the FAR-requirements and are accepted by LBA!

Test passed:		Deutsche Forschungsanstalt für Luft- und Raumfahrt e. V.	
Yes <b>X</b>	No	Institut für Antriebstechnik Versuchsgelände Trauen	
Checked: <i>[Signature]</i>	Date: 02.09.1997	Approved: <i>[Signature]</i>	Date: 03.09.1997