



No. 1174483.6

(Please quote this number in all correspondence)

CLIENT:
Stretchmaster Ltd.
17a Porana Road,
Wairau Valley, Auckland

SAMPLE RECEIVED FROM:
Stretchmaster Ltd.

Date: 16.3.17

Attn.: Chris Ramsey

SAMPLE DESCRIPTION:
PVC film, white colour.

Client Order No.:

Client Reference:

1 of 8

**ISO 5660.1-2015 Reaction to Fire Tests – Heat release Smoke Production and Mass Loss Rate Part 1:
Heat Release Rate (Cone Calorimeter Method) and Smoke Production Rate
(Dynamic Measurement)**

	Specimens			Mean
	1	2	3	
Average Heat Release	4.3	6.1	4.0	4.8 kW/m ²
Group Number Classification*	1	1	1	
(* In Accordance with the New Zealand Building Code Verification Method C/VM2 Appendix A)				
Average Specific Extinction Area*	103.0	120.5	87.8	103.7 m ² /kg
(* According to ISO 5660.2-2002)				


Test Orientation: Horizontal

	Specimens			Mean
	1	2	3	
Irradiance	50	50	50	50 kW/m ²
Exhaust Flow Rate	24	24	24	24 L/sec.
Time to Sustained Flaming	9	10	9	9 sec.
Test Duration	1809	1810	1809	1809 sec.

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L A Greer
Signatory


G Judan
Signatory

24/03/2017

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	Specimens			Mean
	1	2	3	
Peak Heat Release After Ignition	24.4	24.1	21.6	23.4 kW/m ²
Average Heat at 60 s	5.4	5.3	5.3	5.3 kW/m ²
Average Heat at 180 s	2.8	2.8	2.5	2.7 kW/m ²
Average Heat at 300 s	4.9	4.7	5.0	4.9 kW/m ²
Total Heat Released	7.7	10.9	7.1	8.6 MJ/m ²
Ave. Effective Heat of Combustion	3.8	5.1	3.6	4.2 MJ/kg
Initial Thickness	6.2	6.2	6.2	6.2 mm
Initial Mass	89.5	89.6	86.8	88.6 g
Mass Remaining	73.0	72.2	70.8	72.0 g
Mass Percentage Pyrolysed	18.5	19.4	18.4	18.8%
Mass Loss	16.5	17.4	16.0	16.6 g
Average Rate of Mass Loss	1.1	1.2	1.1	1.1 g/m ² .s

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be sole criterion for assessment of performance under real fire conditions.

Samples were loose laid onto a substrate of 6mm thick cement sheeting prior to testing.

Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescent sample within the sample holder.

Note: All calculations are based on ignition + 30 minutes.

Note: The sample has a heat release rate of less than 50 kW/m². In accordance with New Zealand Building Code verification Method C/VM2 Appendix A, this product shall be classified as Group 1.


If different classification group is obtained for different specimens tested, then the highest (worst) classification for any specimen must be taken as the final classification for that material

This test was carried out by a sub-contracted laboratory.

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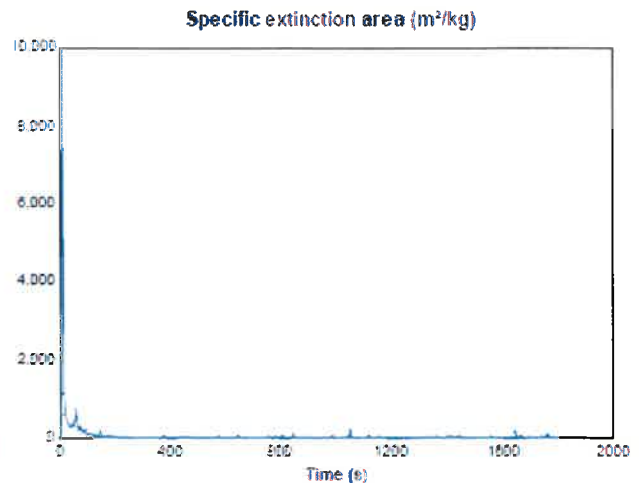
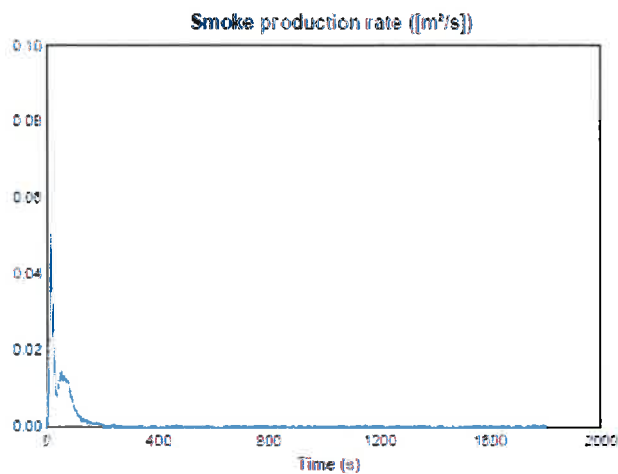
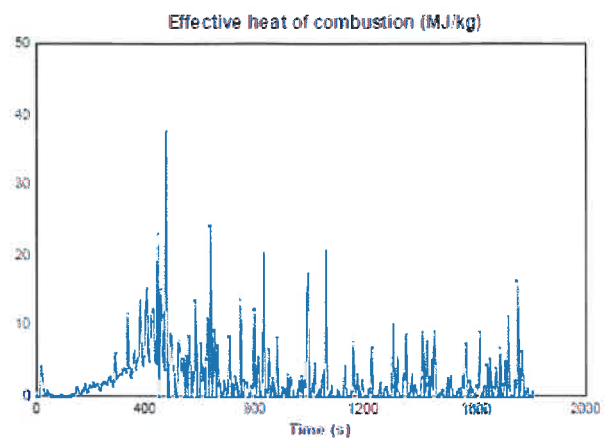
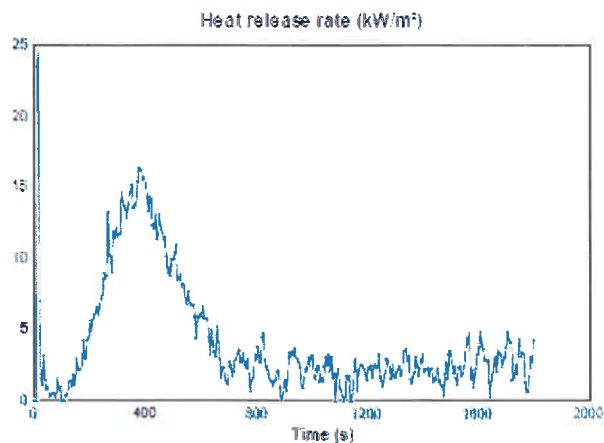
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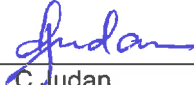
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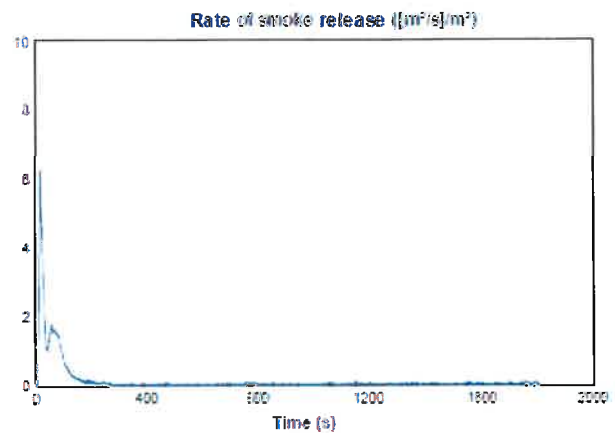
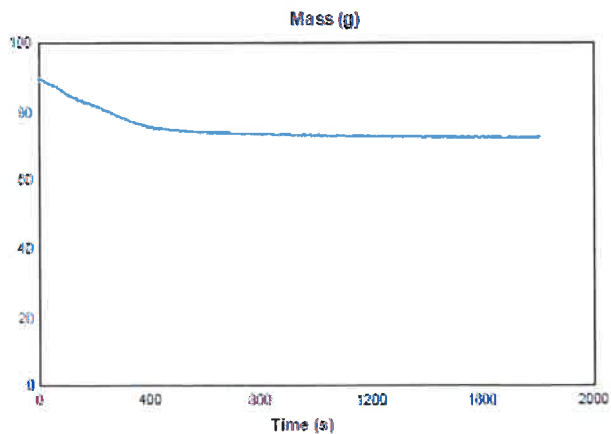
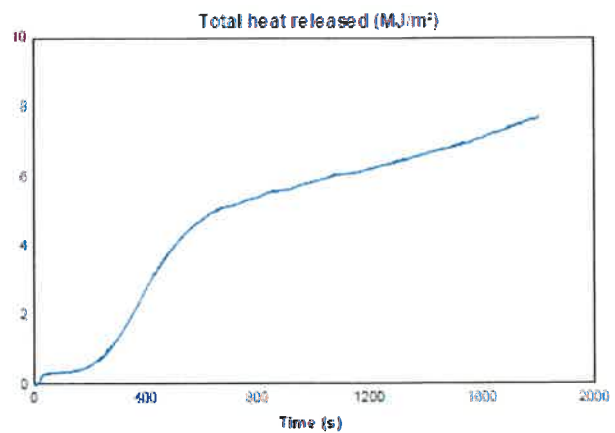
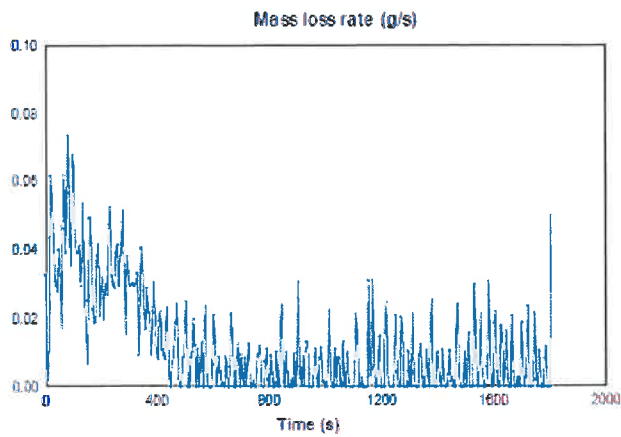
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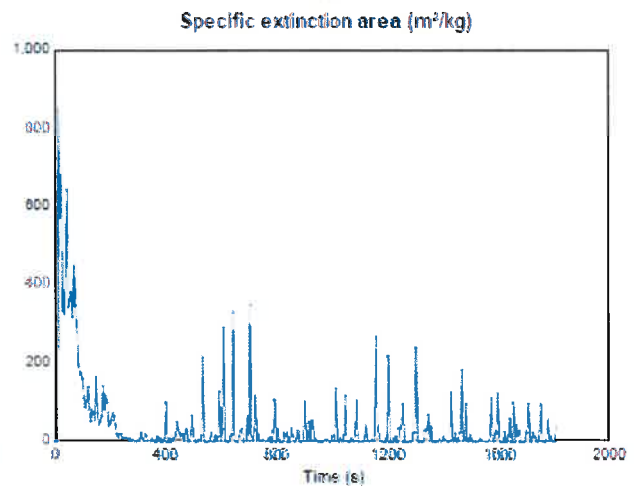
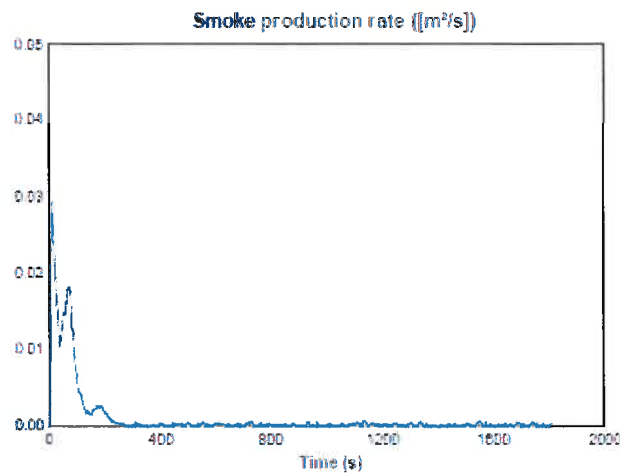
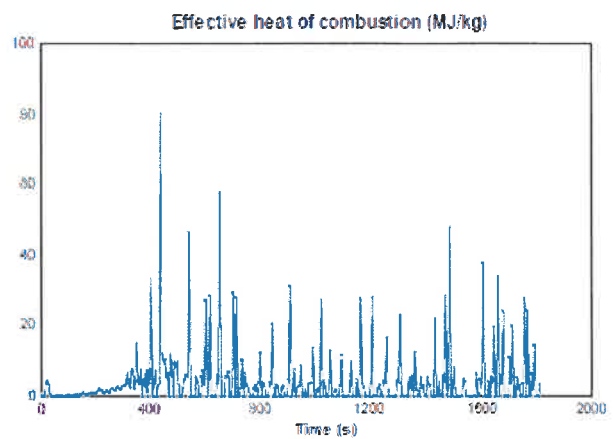
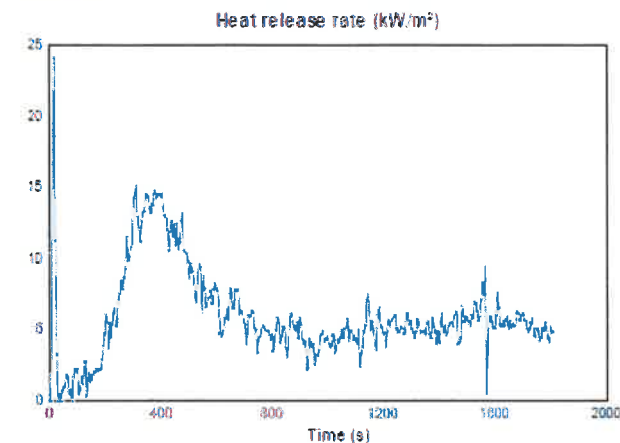
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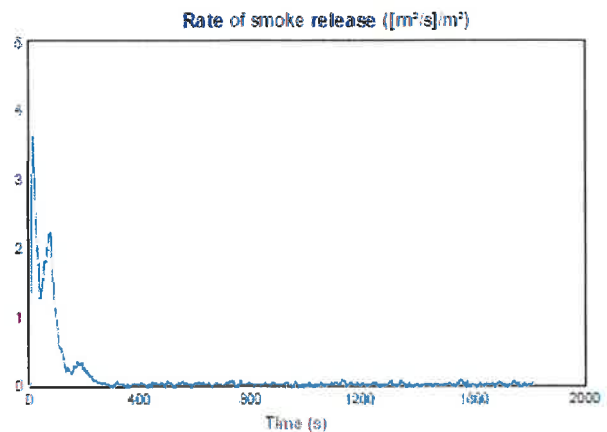
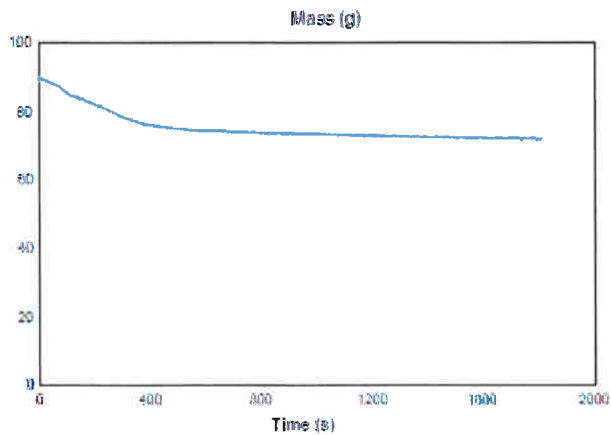
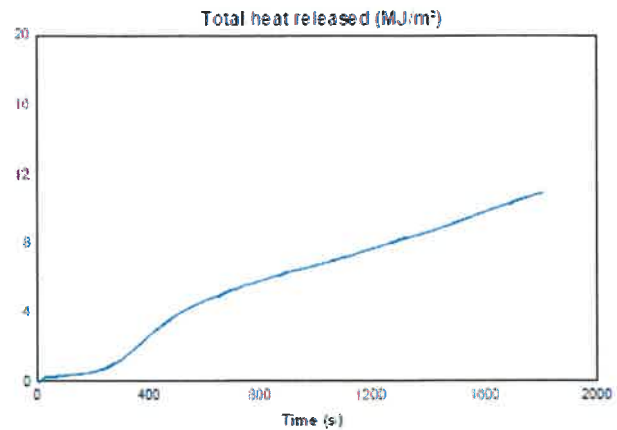
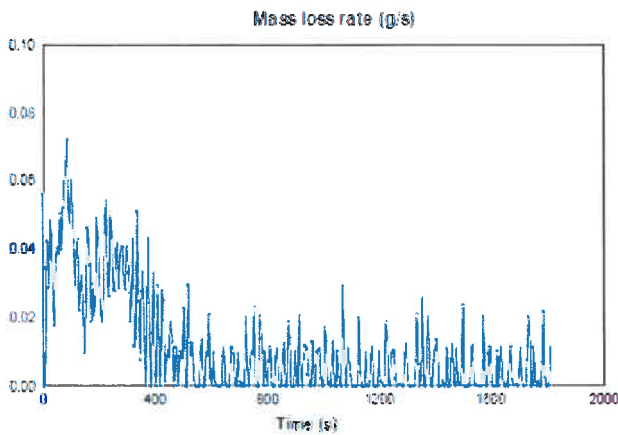
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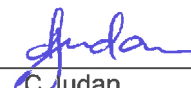
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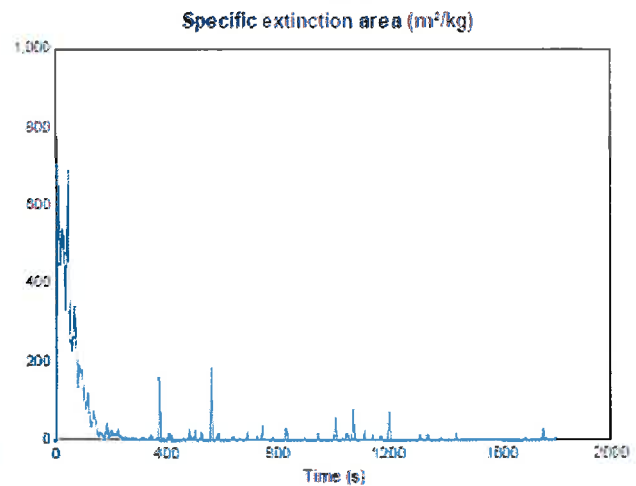
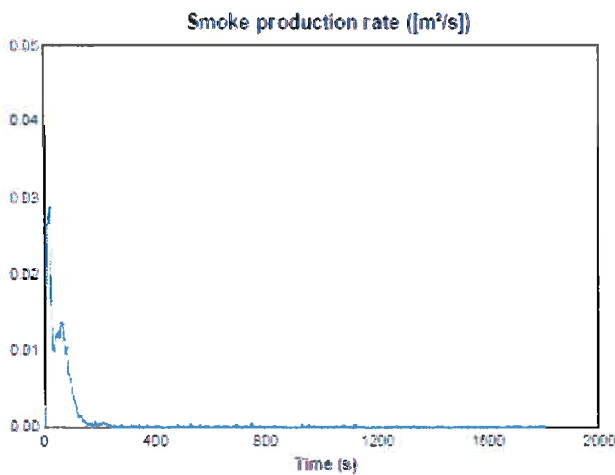
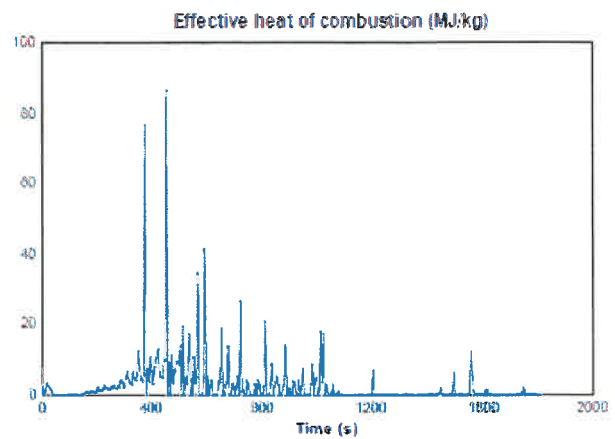
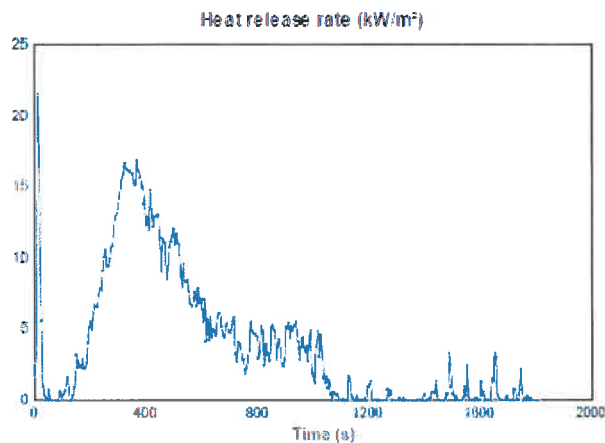
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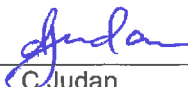
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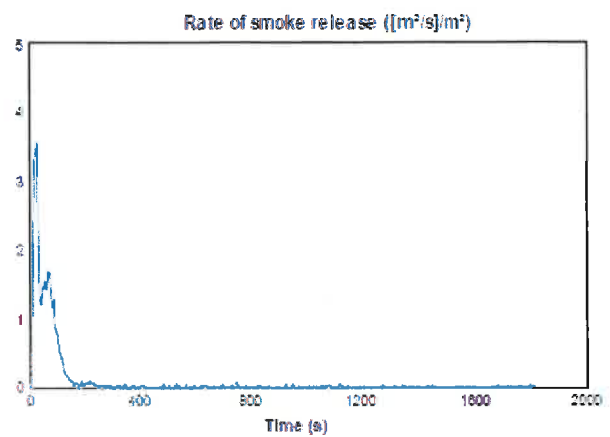
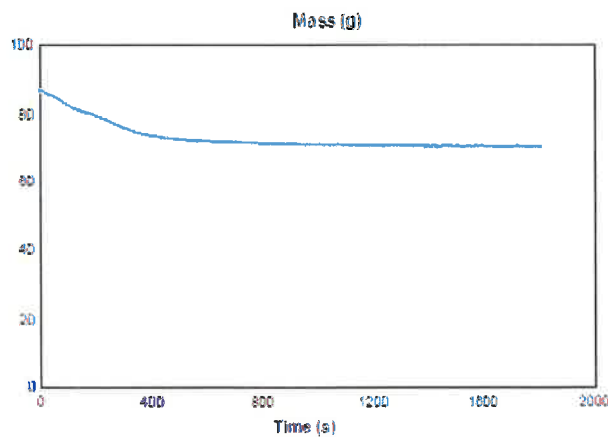
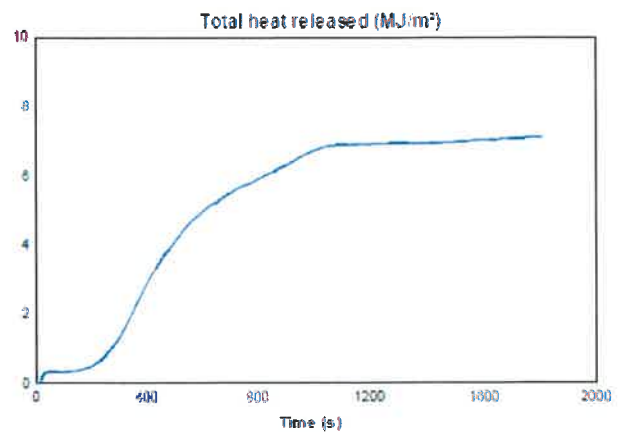
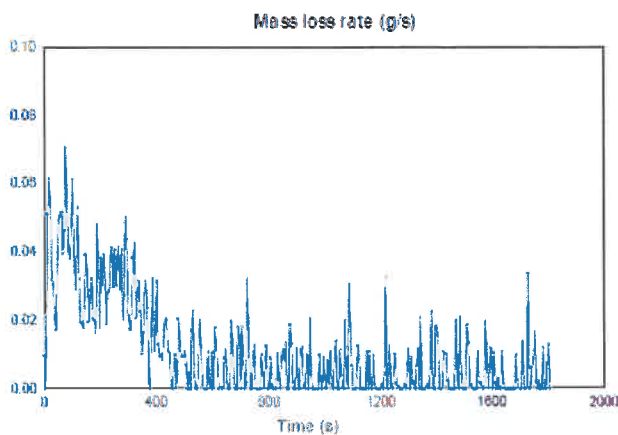
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