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Client Ref. : --
Report No. : 012330ST11065

Page 1 of 6

REPORT ON CLIMBING DRUM PEEL TEST ON HONEYCOMB PANEL**Information Supplied by Client**

Client : Pantech (Metal Panel) Technologies Ltd.
Project : Performance Tests on VE Panel and Honeycomb Panel
Sample Description : 0.8mm Low Decarbonized Steel (Front Sheet)
Cell Size : 3/4"
Honeycomb Thickness : 12mm
0.5mm Steel Sheet (Back Sheet)

Laboratory Information

Lab. Sample I.D. : ST11065/1-3
Date Received : 12 September 2001
Date Tested : 15 September 2001
Test Method : In accordance with BS 5350 : Part 13 : 1990

Test Results

Lab. Sample I.D.	The combined peeling force and rolling force-F ¹ (N)	Failure Mode	
		Cohesive	Adhesive
ST11065/1	1444.0	70%	30%
ST11065/2	1343.0	80%	20%
ST11065/3	1392.0	80%	20%
Average	1393.0		

Lab. Sample I.D.	The rolling force-F ⁰ (N)	The peeling force-F (N)
ST11065/1	192.5	1200.5
ST11065/2		
ST11065/3		

Note : Calculation of the average peeling force (F) from the equation : $F = F^1 - F^0$
Where

F is the peeling force (N)
F¹ is the combined peeling force and rolling force (N)
F⁰ is the rolling force (N)

Remarks : 1.) The sample after test is shown in the photographs on pages 6 of this report.
2.) The loading / extension curves are shown on pages 2 to 5 of this report.
3.) The failure mode percentages were visually estimated.

Checked by : Stewart Usher Date : 27/09/2001 Certified by : Gary Winstanley Date : 27/9/01

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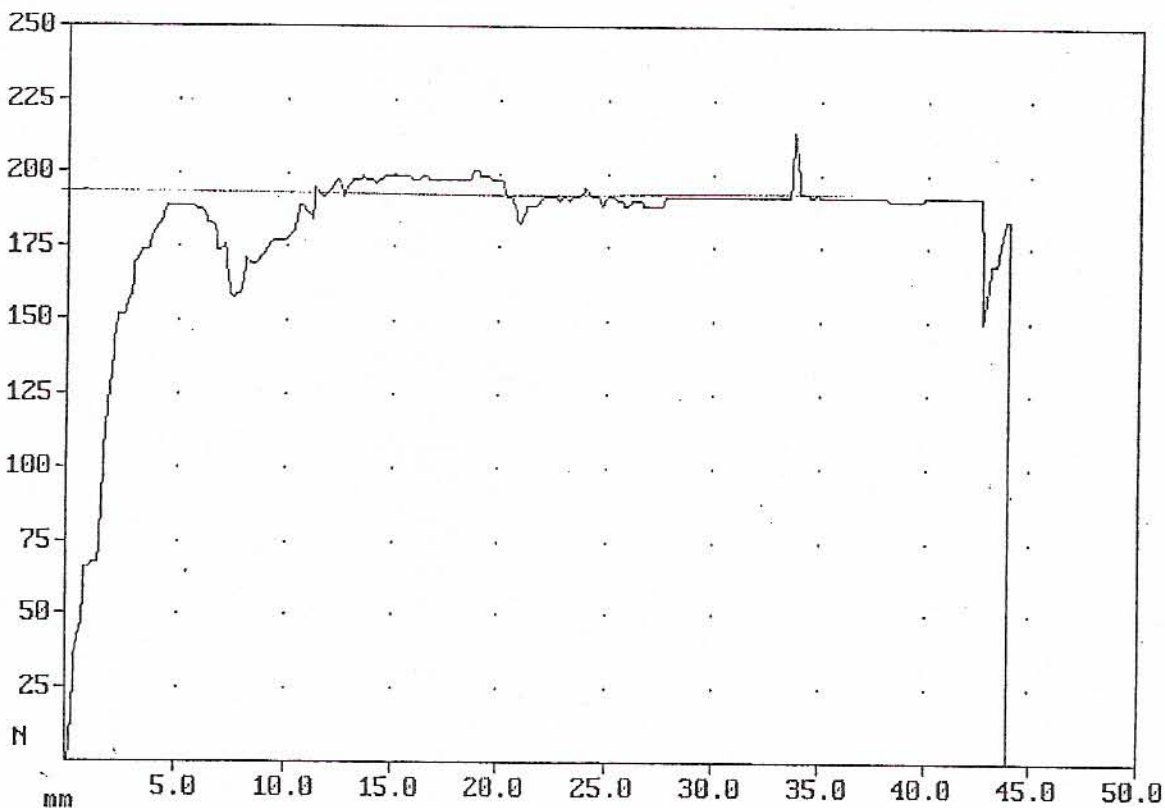


Client Ref. : --
Report No. : 012330ST11065

Rolling Force

Max. Load Elongation
 N %
 215 14.65

[Test No. 2]



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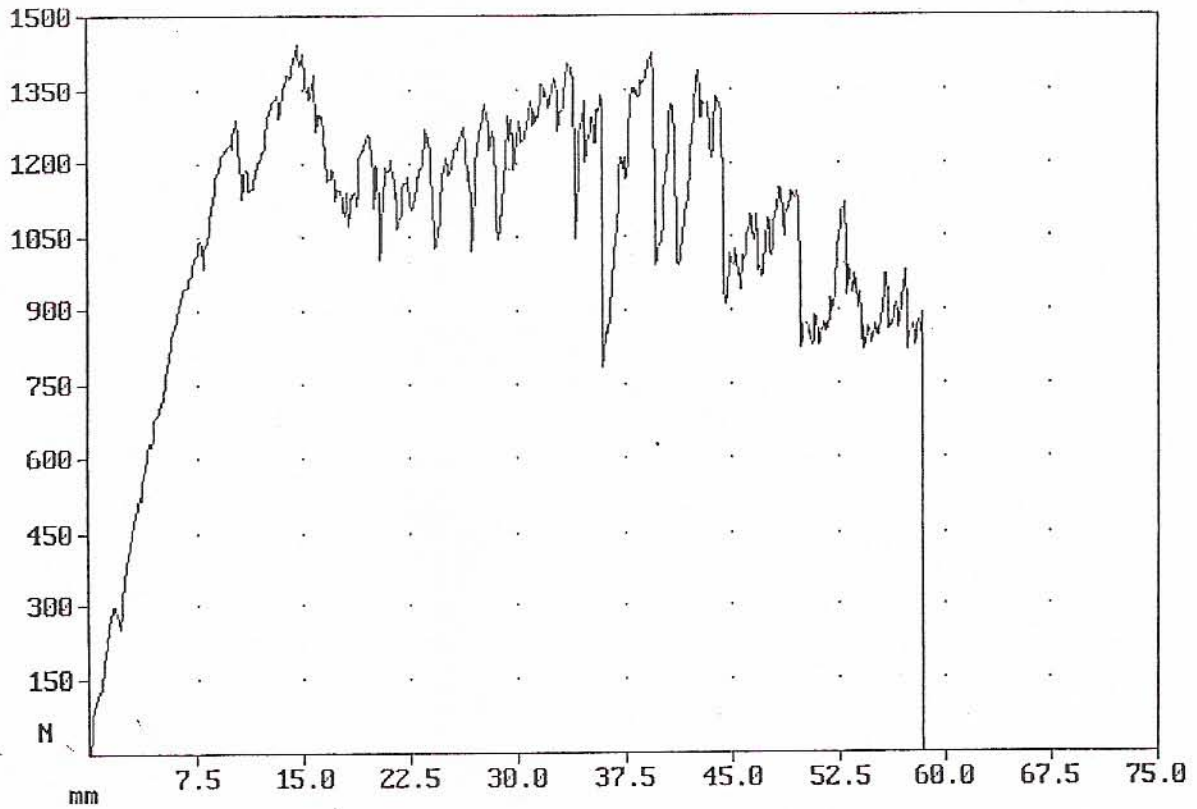
Page 3 of 6

Report No. : 012330ST11065

Lab. Sample I.D. : ST11065/1

Max. Load	Elongation
N	%
1444	23.4

[Test No. 3]



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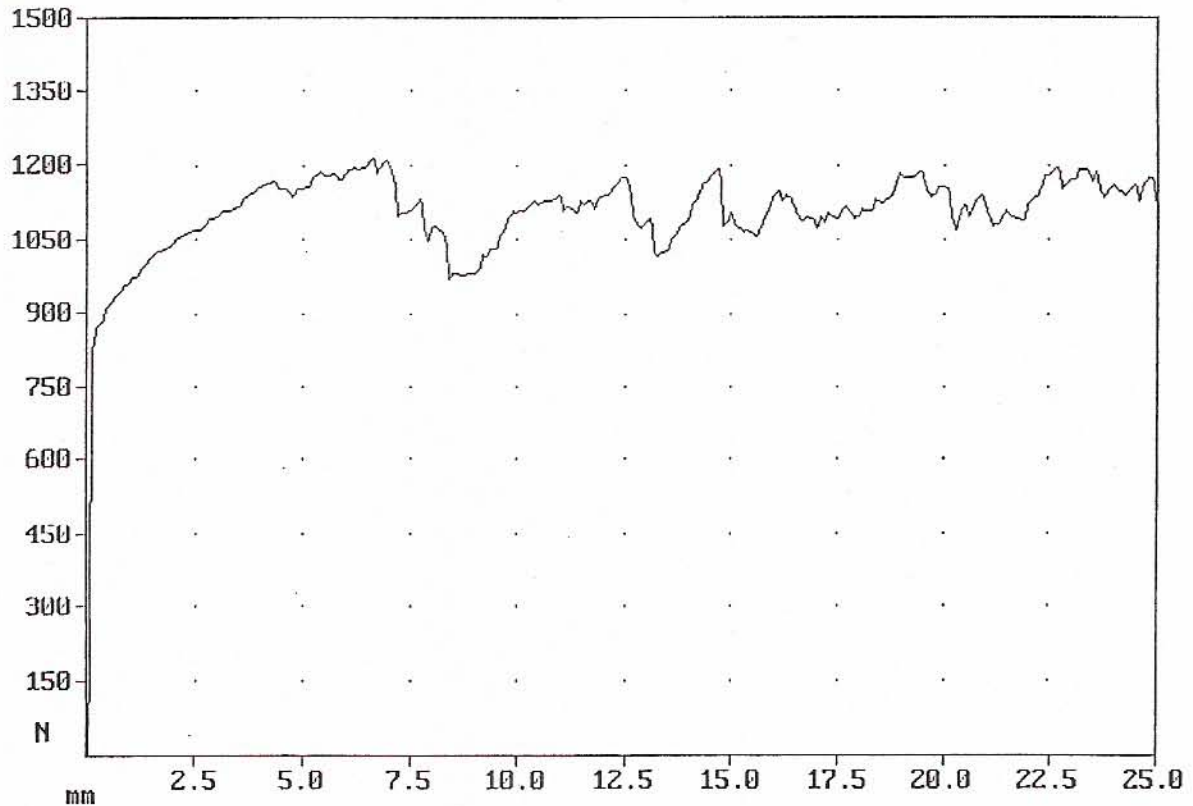
Client Ref. : --
Report No. : 012330ST11065

Page 4 of 6

Lab. Sample I.D. : ST11065/2

Max. Load Elongation
 N %
 1343 15.04

[Test No. 2]



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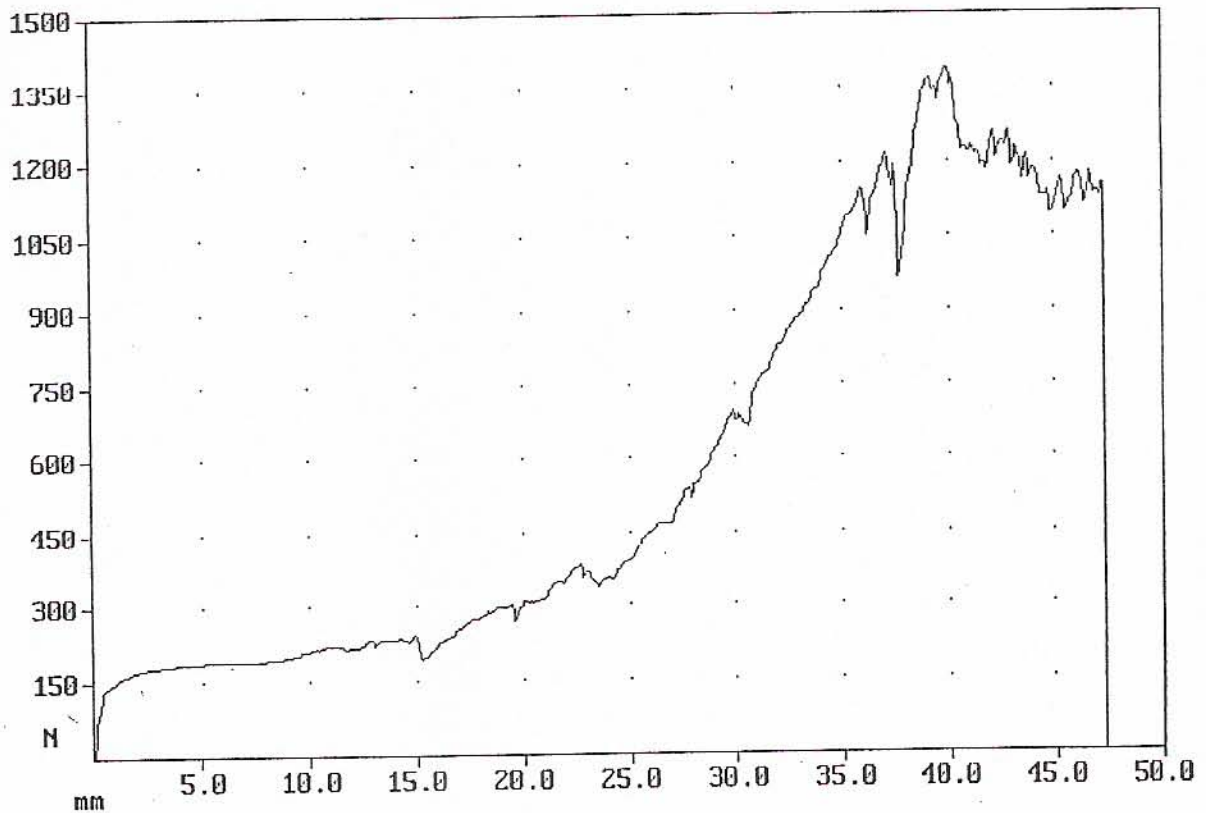
Client Ref. : --
Report No. : 012330ST11065

Page 5 of 6

Lab. Sample I.D. : ST11065/3

Max. Load	Elongation
N	%
1392	18.92

[Test No. 9]



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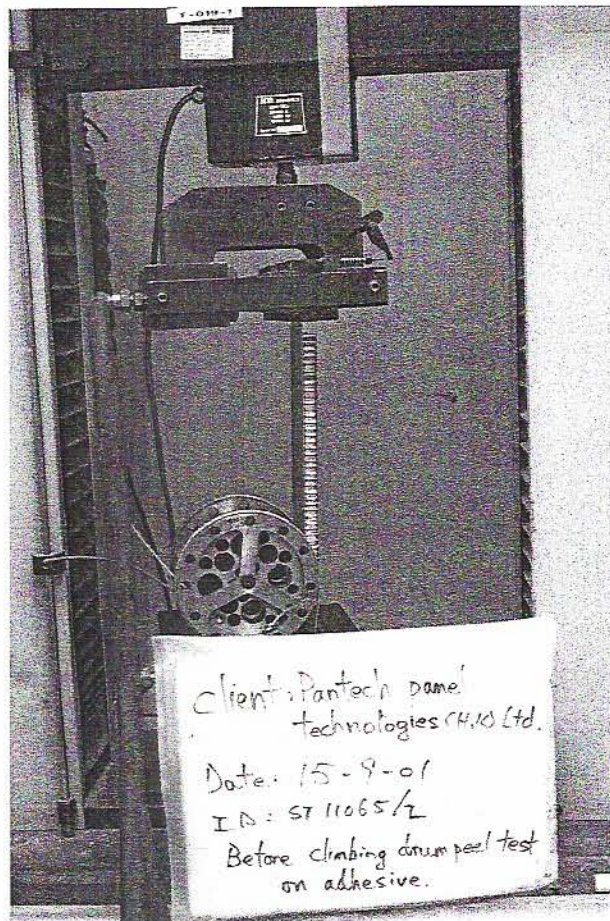
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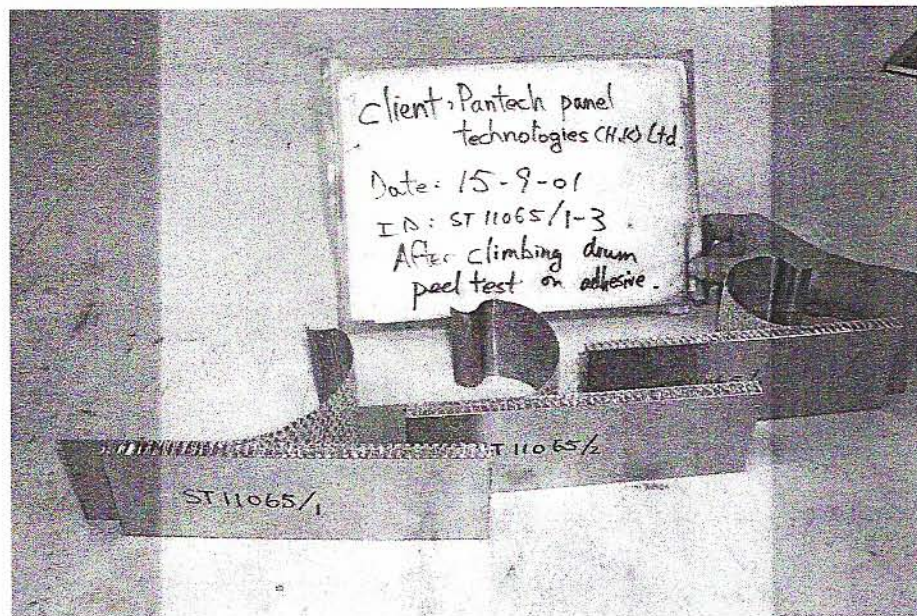
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Page 6 of 6

Client Ref. : -
Report No. : 012330ST11065



Test Configuration



After Test
Sample I.D. : ST11065/1-3



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