

## COMPRESSION TEST REPORT

**Client:** Protecta Group  
 ATTENTION: Richard Joyce  
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 NSW 2128

**Job No:** 18347  
**Test Date:** 25/08/2022

<b>Specimen Description:</b>	Six (6) Bubble Board Samples (Figure 1) nominal size 100 x 100 mm		
<b>Testing Machine:</b>	Shimadzu AGS-X 300 kN UTM	<b>Test</b>	5 mm/min

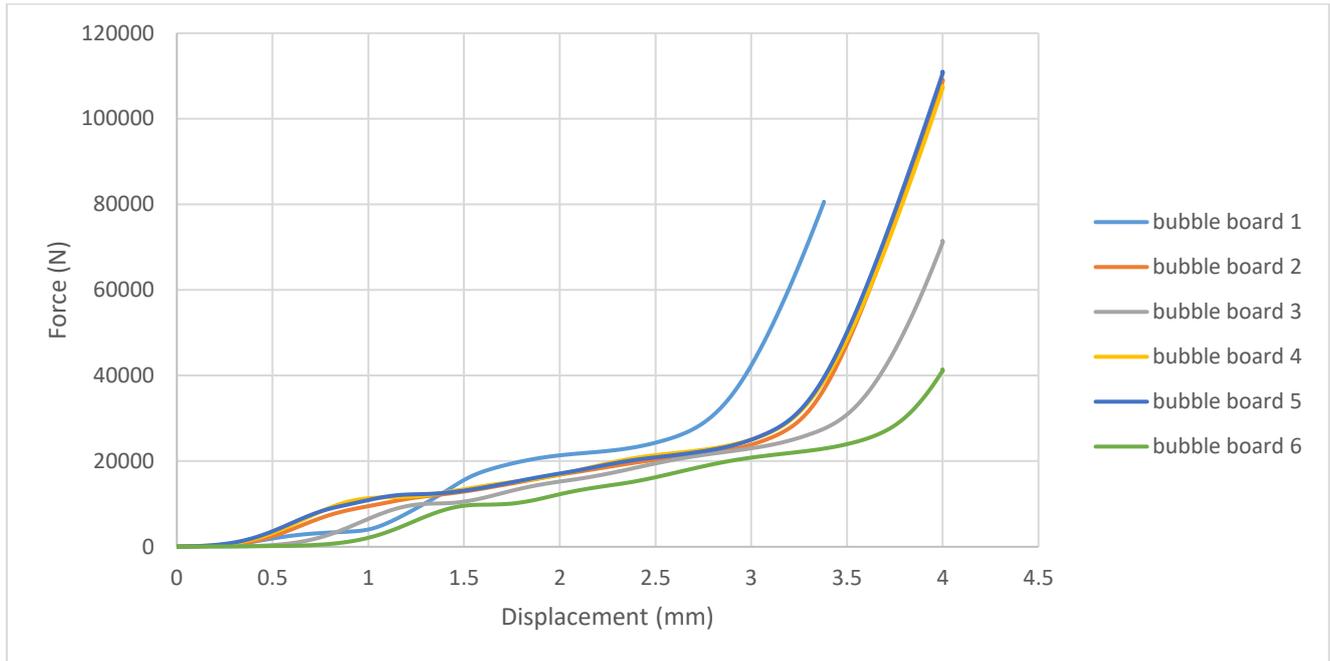
### Results:

The force vs. displacement results for the 6 bubble board samples tested are shown in Graph 1. The maximum compressive force and final thickness after compression for each sample are shown in Table 1. The samples were compressed until the distance between the compression platens was approximately 2 mm, to account for the thickness of the collapsed board.

During the test of the Bubble Board 1 sample a software error caused the test to stop prematurely and as such has not been included in the average.

**Table 1.** Test Results.

Specimen ID	Maximum compressive force (kN)	Initial thickness before compression (mm)	Final thickness after compression (mm)
Bubble Board 1	80.6	5.5	4.2
Bubble Board 2	108.8	5.5	4.2
Bubble Board 3	71.1	5.5	4.1
Bubble Board 4	107.2	5.6	4.1
Bubble Board 5	110.6	5.5	4.1
Bubble Board 6	41.0	5.3	4.3
<b>Average</b>	<b>87.7</b>	<b>5.5</b>	<b>4.2</b>



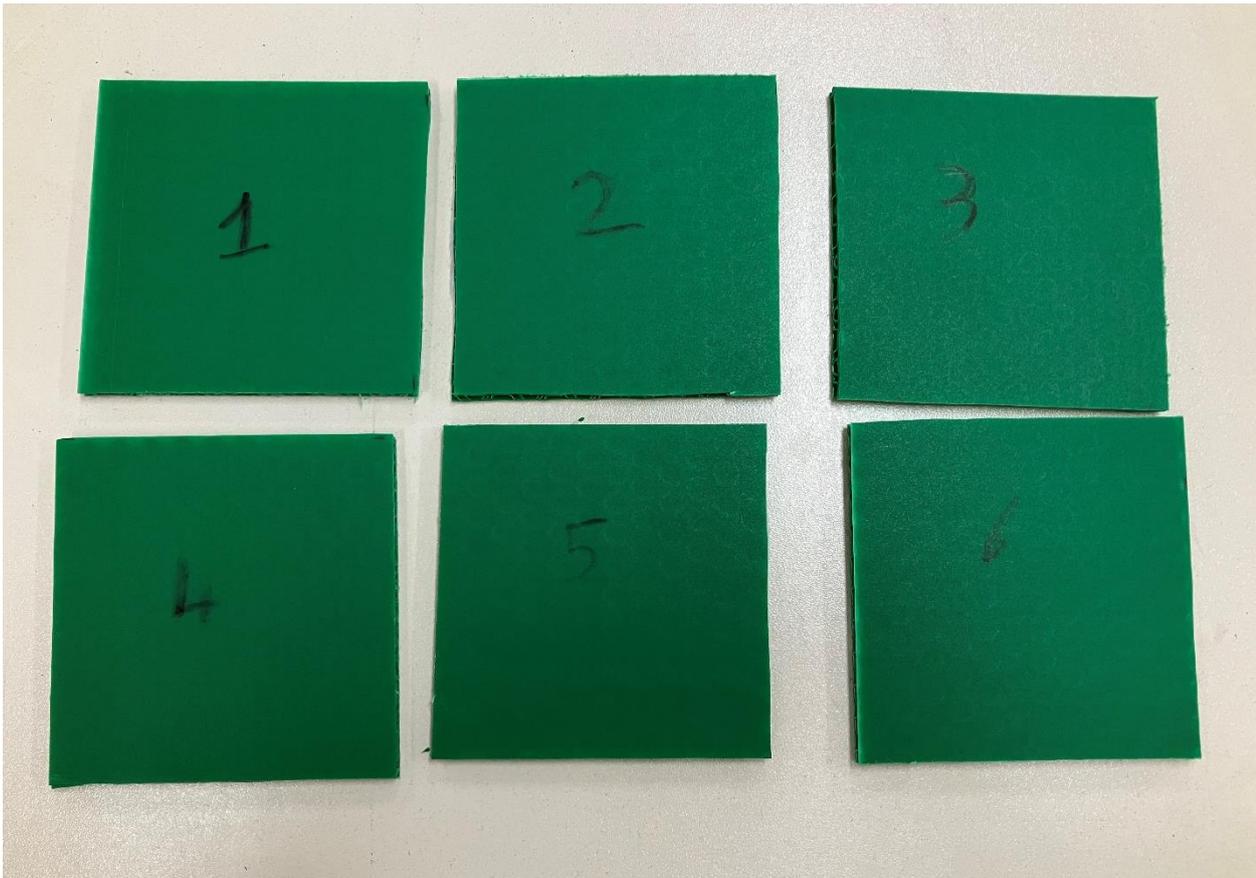
**Graph 1.** Bubble Board test data.

Tested by:

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**Figure 1.** Bubble Board samples.