

COMPRESSION TEST REPORT

Client: Protecta Group
ATTENTION: Dan Holman
13 Rachel Close
Silverwater, NSW 2128

Job No: 18425
Test Date: 08/09/2022

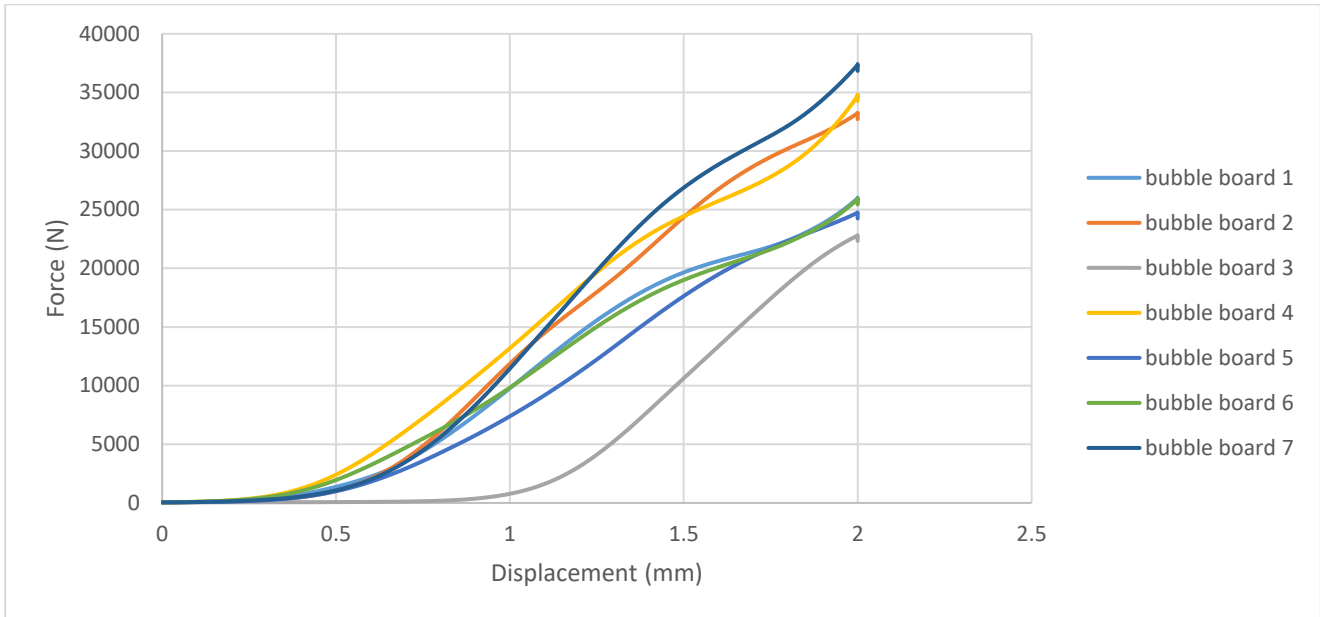
Specimen Description:	Seven (7) Bubble Board 3 mm with felt (Figure 1) nominal size 100 x 100 mm		
Testing Machine:	Shimadzu AGS-X 300 kN UTM	Test	5 mm/min

Results:

The force vs. displacement results for the seven 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 1.2 mm, to account for the thickness of the collapsed board.

Table 1. Test Results.

Specimen ID	Maximum compressive force (kN)	Initial thickness before compression (mm)	Final thickness after compression (mm)
Bubble Board 1	25.5	3.2	2.8
Bubble Board 2	32.7	3.3	2.9
Bubble Board 3	22.3	3.3	3.1
Bubble Board 4	34.3	3.3	2.8
Bubble Board 5	24.2	3.4	3.0
Bubble Board 6	25.4	3.3	2.9
Bubble Board 7	36.8	3.3	2.9
Average	27.8	3.3	2.9



Graph 1. Bubble Board test data.

Tested by:

Ayman Mohamed BSc/BEng (Mech) Hons.
Graduate Mechanical Engineer

Reviewed by:

Rohan Byrnes, BSc/BEng (Mats) Hons.,
Senior Materials Engineer

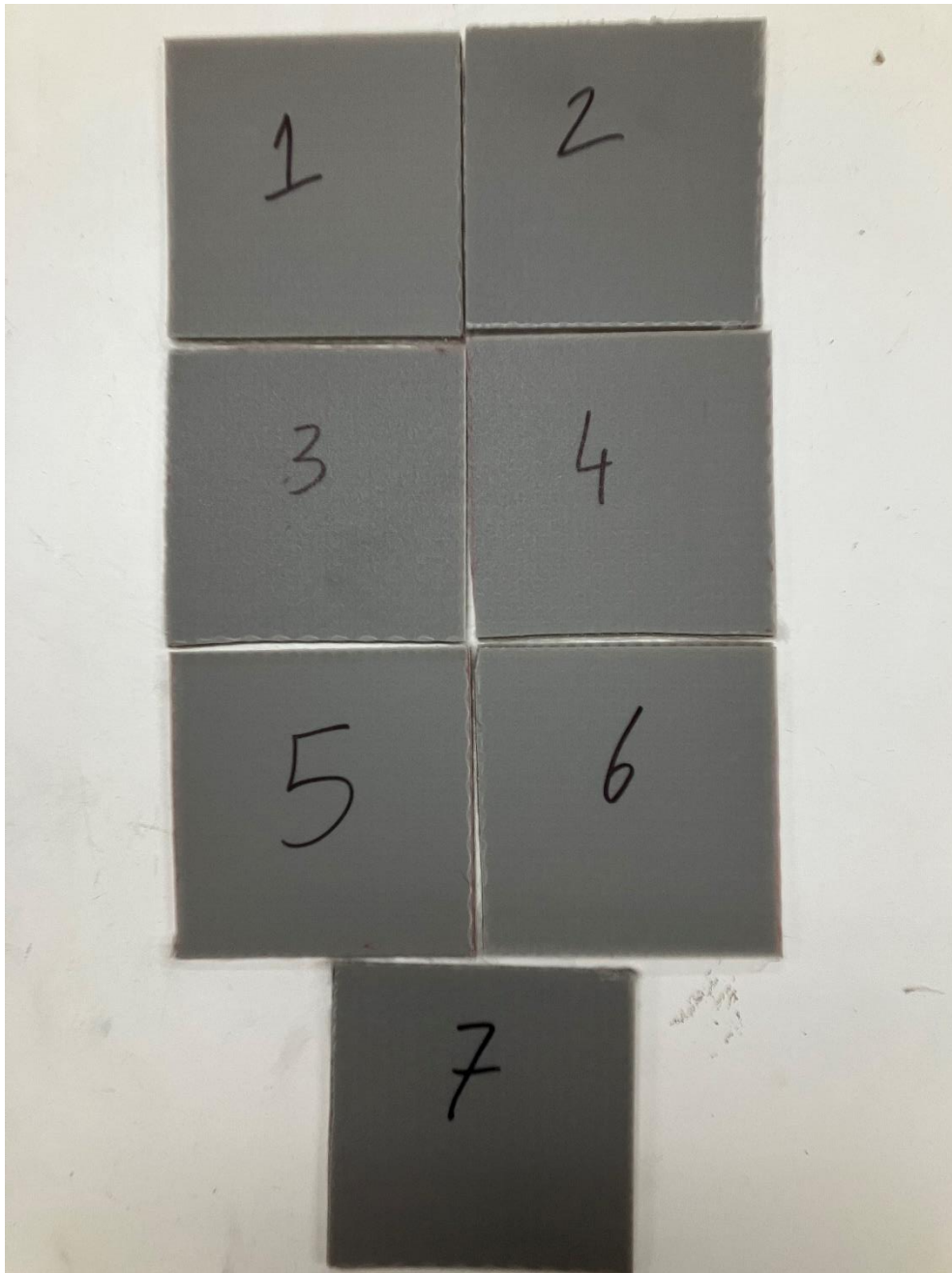


Figure 1. Bubble Board 3mm with felt.