

COMPRESSION TEST REPORT

Client: Protecta Group
 ATTENTION: Jayden McCorkell
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Job No: 21383
Test Date: 28/08/2024

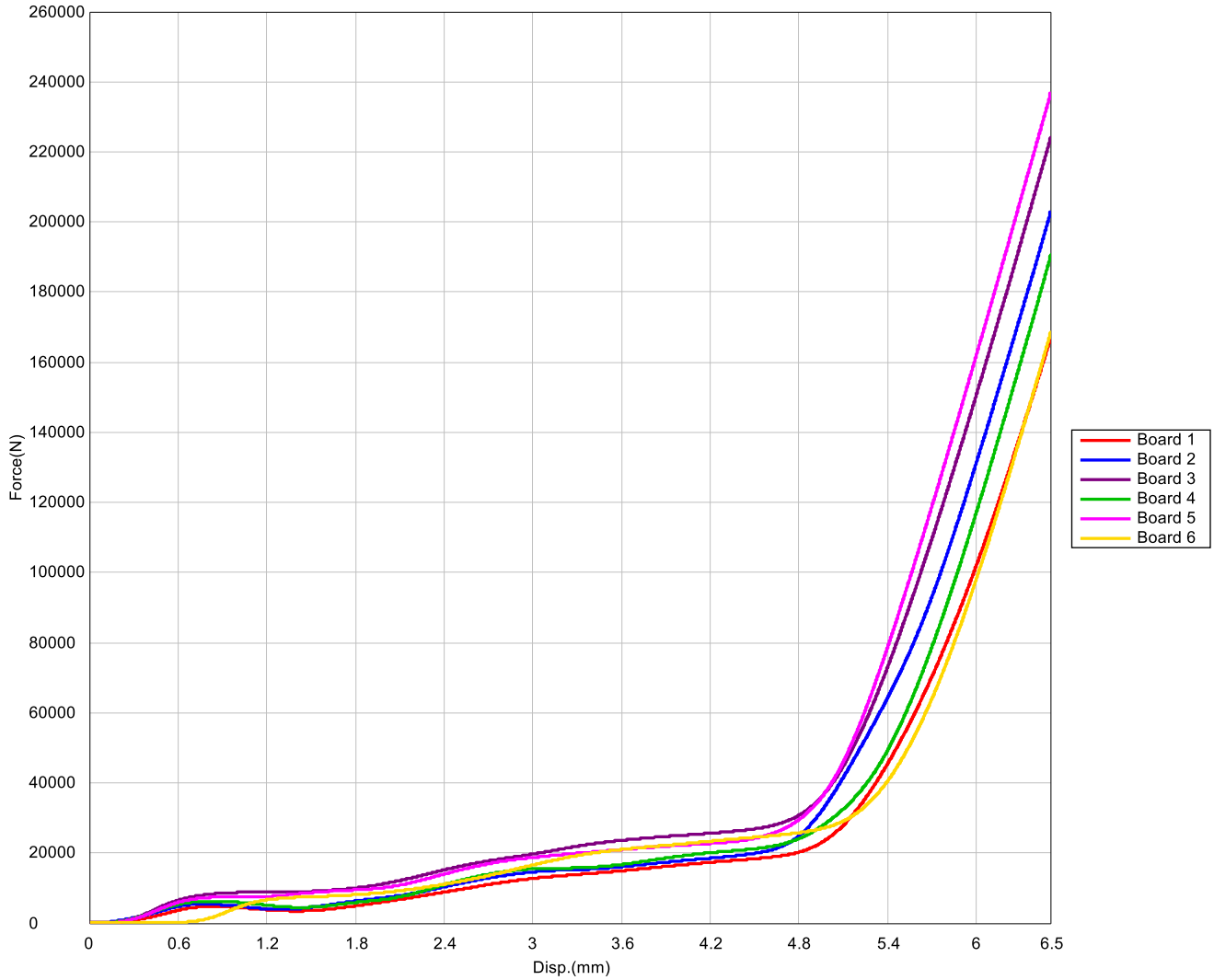
Specimen Description:	Six (6) 8 mm Protecta Boards, nominal size 100 x 100 mm (Figure 1).		
Testing Machine:	Shimadzu AGS-X 300 kN UTM	Test	5 mm/min

Results:

The force vs. displacement results for the six (6) 8 mm Protecta Board specimens tested are shown in Graph 1. The maximum compressive force and final thickness after compression for each specimen are shown in Table 1. The specimens were compressed until the distance between the compression platens was approximately 1.5 mm, to account for the thickness of the collapsed board.

Table 1. Test Results.

Specimen ID	Maximum compressive force (kN)	Maximum compressive force (Tonnes)	Initial thickness before compression (mm)	Final thickness after compression (mm)
Protecta Board 1	167	17.0	7.6	5.3
Protecta Board 2	203	20.7	7.6	5.6
Protecta Board 3	224	22.8	7.7	4.7
Protecta Board 4	190	19.4	7.7	5.6
Protecta Board 5	237	24.1	7.5	5.5
Protecta Board 6	168	17.2	7.4	5.1
Averages	198	20.2	7.6	5.3



Graph 1. Bubble Board test data.

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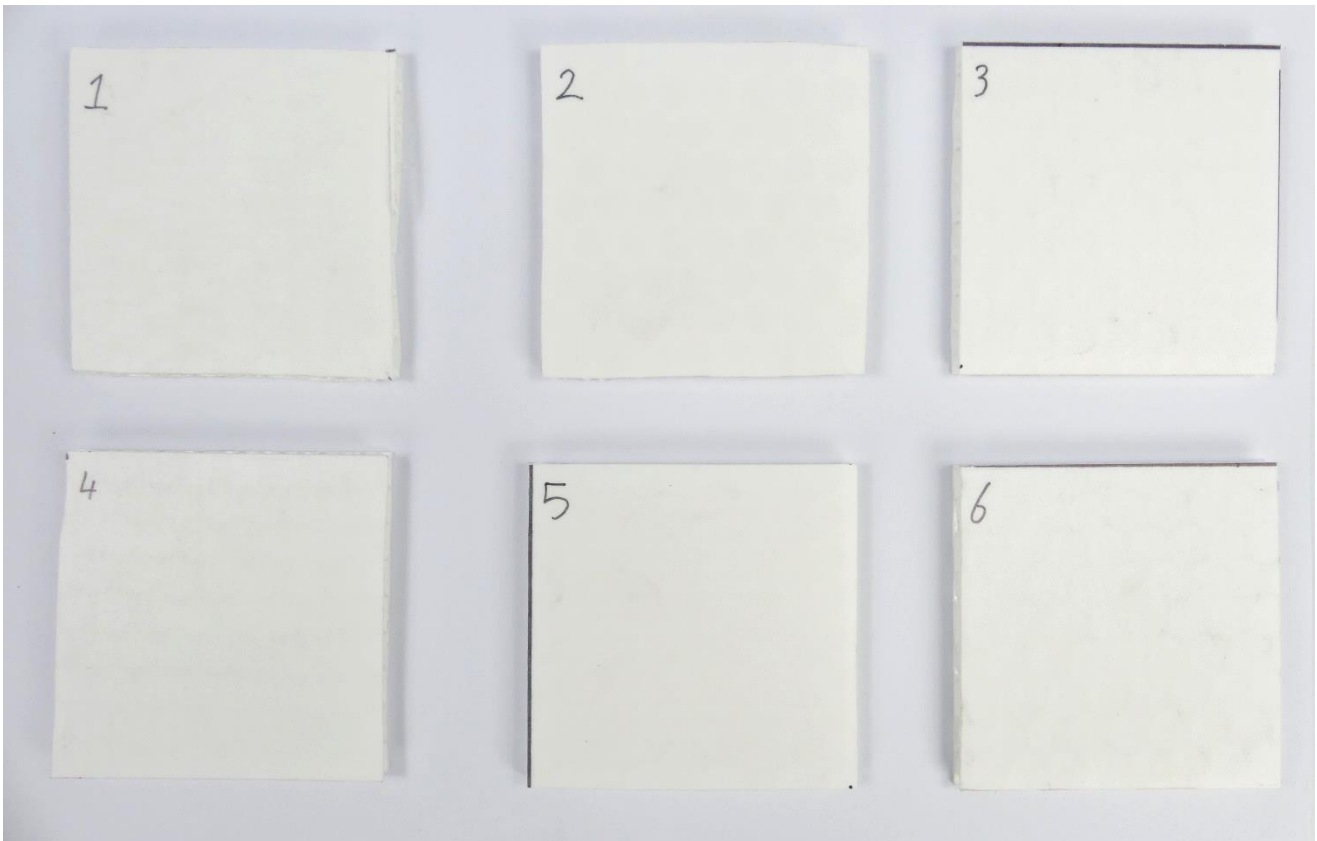


Figure 1. 8 mm Protecta Board specimens.