

**COMPRESSION TEST REPORT**

**Client:** Protecta Group  
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**Job No:** 22829  
**Test Date:** 04/07/2025

|                              |                                                                                   |             |          |
|------------------------------|-----------------------------------------------------------------------------------|-------------|----------|
| <b>Specimen Description:</b> | Six (6) 8 mm Protecta Board XTRA specimens, nominal size 100 x 100 mm (Figure 1). |             |          |
| <b>Testing Machine:</b>      | Shimadzu AGS-X 300 kN UTM                                                         | <b>Test</b> | 5 mm/min |

**Results:**

The force vs. displacement results for the six (6) 8 mm Protecta Board XTRA 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.

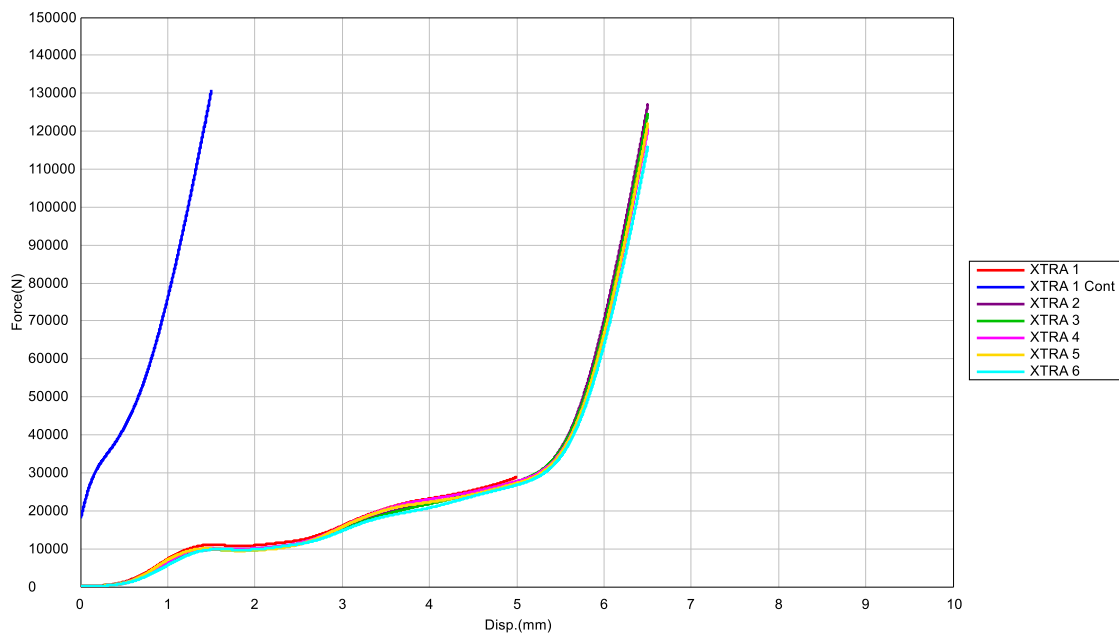
**Table 1.** Test Results.

| Specimen ID                        | Maximum compressive force (kN) | Maximum compressive force (Tonnes) | Initial thickness before compression (mm) | Final thickness after compression (mm) |
|------------------------------------|--------------------------------|------------------------------------|-------------------------------------------|----------------------------------------|
| Protecta Board XTRA 1 <sup>1</sup> | 131.0                          | 13.4                               | 8.1                                       | 5.8                                    |
| Protecta Board XTRA 2              | 127.0                          | 12.9                               | 8.1                                       | 6.0                                    |
| Protecta Board XTRA 3              | 124.6                          | 12.7                               | 8.2                                       | 6.0                                    |
| Protecta Board XTRA 4              | 120.5                          | 12.3                               | 8.2                                       | 5.9                                    |
| Protecta Board XTRA 5              | 122.0                          | 12.4                               | 8.1                                       | 6.0                                    |
| Protecta Board XTRA 6              | 115.9                          | 11.8                               | 8.2                                       | 5.8                                    |
| <b>Averages</b>                    | <b>123.5</b>                   | <b>12.6</b>                        | <b>8.2</b>                                | <b>5.9</b>                             |

<sup>1</sup> Test was momentarily interrupted due to a software error. Testing was successfully resumed following this interruption and the test graph was continued and labelled as "XTRA 1 Cont" in Graph 1.



4 July 2025



**Graph 1.** Protecta Board XTRA test data.

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**Figure 1.** Protecta Board XTRA specimens.