

Daiken Southland Limited
301 Pioneer Highway
RD4 Gore
New Zealand

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Budpac V-Grooved MDF Physical Properties

With the BPIR coming into effect on December 11th 2023 Daiken Southland Ltd undertook physical property testing of the strength properties of Budpac V-Grooved MDF panels to determine the impact of the V-Groove process has on the strength compared to Un-Grooved Daiken supplied MDF.

The key properties for strength in MDF are Internal Bond Strength (IB) and Modulus Of Rupture (MOR).

Testing was conducted as per AS/NZS 4266.1 test method to verify compliance to AS/NZS 1859.2:2017 Standard (Reconstructed wood-based panels – Specifications. Part 2: Dry Process Fibreboard).

Property	Unit	AS/NZS Requirement	Test Result	Status
MOR	MPa	28	39	PASS
MOE	MPa	2400	3150	PASS
IB	MPa	0.50	0.9	PASS
Thickness Swell	%	15.0	12	PASS

Table 1: Physical Property Test Results

Conclusion

The V-Grooving process has very little impact on the physical properties of Daiken MDF and the physical properties tested easily exceeded the requirements of AS/NZS 1859.2:2017.

Alistair Allan



Quality Assurance Manager