Certificate of Compliance

NZS 5828:2015 / EN 1177:2018 Impact Attenuating
Playground Surfacing Critical Fall Height Certificate

playsafe
Playground Safety Specialists

Issued to:

Reharvest Timber Products

41A Hunua Road, Papakura, Auckland 2110

IAS Surface Material Tested

Cushionfall Woodchip

Based on our assessment we are satisfied that the playground surface specified surfacing type will satisfy the impact attenuation requirements of NZS 5828:2015 up to the stated critical fall height of:

CRITICAL FALL HEIGHT (CFH)
MAX 3.0m @ MIN 300mm Depth

For optimal performance, it is recommended that the material be installed with proper drainage and an initial uncompacted depth of 350mm, including a 50mm allowance for initial compaction. Regular maintenance is necessary to ensure a minimum depth of 300mm is consistently maintained.

We, Playsafe Consulting Ltd of Auckland, New Zealand, certify that the surface material referenced in this document meets the impact attenuation requirements of NZS5828:2015 (EN1176 and EN1177) for the specified critical fall height, provided it is installed and maintained correctly at the required uncompacted installation depth. We have also evaluated its suitability according to the guidance criteria for Organic Loosefill Particulates as outlined in AS 4685.0:2016.

The testing process involved measuring the HIC (Head Injury Criterion) and gmax values against the drop height to determine the critical fall height at each test location. For maximum HIC values below 1000 and gmax values below 200g, the highest recorded value was used. If HIC was equal to or exceeded 1000, or gmax was equal to or exceeded 200g, the time/acceleration curve from a single impact was considered.

While the material meets impact attenuation standards, there remains a risk of skin protrusion or puncture due to the variation in particle shape, size, and potential contaminants within the material. However, this risk is comparable to that associated with similar materials used in play surfaces.

Please note that the performance of this material is significantly affected by factors such as temperature, moisture, and degradation. The test results reflect the critical fall height under the specific conditions present at the time of testing. The uncertainty of the results under controlled laboratory conditions is ±7%, and this uncertainty may be greater in actual site conditions. This certificate is valid for three years from the date of issue, provided there is no change in the material composition of the tested surfacing.

Loosefill Suitability Assessment Sample Size and Consistency
Overall Assessment Result: D4 – GOOD
Based on the visual grading of shape, particle uniformity, and the absence of sharp projections or splinter risks, this sample is considered acceptable for use as impact-attenuating loose particulate surfacing in children's play environments under the Playsafe qualitative grading system in consideration of AS 4685.0:2016.



Test Date	**20 May 2025**	Cert Expiry	**19 May 2028**
HIC Meter	**HC22023**	Certificate #	**#1006188**

ADAM STRIDE
RPII ANNUAL OUTDOOR / INDOOR
PLAY INSPECTOR + CERTIFIED IMPACT TESTING
SPECIALIST - M#1074A / M#1023AF