

Certificate of Compliance

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



Issued to:

COMPOSTING NEW ZEALAND LTD

Playground IAS Surface Material Tested:

PLAY-SAFE CHIP

Certification based on the following installation procedure:

CRITICAL FALL HEIGHT: MAX 3.0m @ MIN 300mm Depth

Material should be installed and maintained in good condition with adequate drainage to a minimum uncompacted depth of 350mm (50mm to compensate for initial compaction), followed by ongoing annual top-up maintenance to 300mm minimum depth.

We, Playsafe Consulting Ltd of Auckland New Zealand hereby certify that based on our assessment we are satisfied that the surface material stated has met the impact attenuation requirements of NZS5828:2015 up to the stated critical fall height when installed and maintained in good condition to the required uncompacted installation depth. Suitability consideration has also been given to AS 4685.0:2016 meets acceptable suitability of the Organic Impact attenuating surface guidance selection criteria.

During the test, the curves of HIC and gmax vs. drop height from which the critical fall height of the surfacing was determined for each test location; and either the time/acceleration curve of one impact with HIC equal to or greater than 1000 and gmax equal to or greater than 200g or, for maximum HIC values below 1000 and gmax below 200g, the highest value measured.

Remaining Risk: There is still a risk of skin protrusion / puncture due to the nature of the material having varied particle shape, size and possible contaminants. It is considered that this remaining risk is of no difference from similar materials used throughout play surfaces.

As the performance of this material is greatly affected by temperature, moisture and degradation, the test will only determine (Cfh) in the actual situation at the time of the test. The uncertainty of this result under controlled laboratory conditions is $\pm 7\%$. Under site conditions the uncertainty may be greater.

Certificate Conditions:

- Ensure minimum fall zone, falling space and impact area distances.
- Ensure the material is installed and maintained to the depths specified.
- The material must be installed without substitute or compromise.
- Ensure adequate drainage.
- Ensure the material does not present entrapment or protrusion hazard.
- Test and assessment excludes sieve testing.

Tested with HIC METER HC09002R2 on rigid concrete at Playsafe Consulting Ltd, Auckland 1072 New Zealand. (1.0m x 1.0m x 300mm depth material test sample)

This certificate is valid for three (3) years from the date of issue providing and subject to no change or difference in material content of the surfacing tested.

| Organic Surface Material Suitability Assessment | | | | |
|---|------|------|------|---------|
| Excellent | Good | Fair | Poor | V/ Poor |
| PASS | | PASS | FAIL | FAIL |
| Based on Pass / Fail selection as per AS 4685.0:2016 (Refer example matrix) | | | | |

ADAM STRIDE

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

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