



NEW ZEALAND STANDARDS COMPLIANCE CERTIFICATE - PLAYGROUND SURFACING - MCCALLUM BROS LTD - PLAYSAND 550

200838

MANUFACTURER: MCCALLUM BROS LTD
747 ROSEBANK ROAD,
AVONDALE, AUCKLAND, 1026
NEW ZEALAND

SURFACING TYPE: SAND SOFTFALL

TEST LOCATION: 38, ROTHESAY BAY ROAD,
AUCKLAND, NEW ZEALAND

MATERIAL: PLAYGROUND SAND - PLAYSAND 550

Table with 8 columns: GRADING, MESH #, #8, #16, #30, #40, #50, #100, #200. Rows include SIEVE SIZE and % PASSING.

MOISTURE CONTENT: DRY AND FULLY SATURATED

CRITICAL FALL HEIGHT: 3.0 METRES

REQUIRED SETTLED DEPTH: 300 MM UNCOMPACTED NORMAL WEAR

We, Consulting Coordination Australia Pty Ltd of u101/437 Bourke St, Surry Hills, 2010, NSW, Australia, hereby certify that we have assessed the McCallum Bros Ltd Play Playsand 550 playground surfacing as specified above for compliance with current New Zealand Standards. On-site testing with a Triax 2015 Portable Surface Impact Testing Rig was conducted in accordance with the procedure set down in NZS 5828:2015. Based on our assessment, we are satisfied that the 'Playsand 550' specified surfacing type will satisfy the impact attenuation requirements of NZS 5828:2015 up to the stated critical fall height when installed and maintained, good condition to the required depth with adequate drainage. The service life of the tested surface is related to the durability of the material and the silt component percentage, degramont, and voidage results give a clear guide to serviceability. This certificate is valid for 3 years from the date of certification providing there is no change in the material specification of the product.

Only washed, screened sand free from fines, clay particles, and organic material is considered suitable for playground surfacing. Grading curves and durability test results should be provided to ensure quality control of the sand supply source.

Signature.....Tuesday, 1 September 2020
RICHARD ERWIN. BSc Eng (Civil) (Aust) MIEAust RPEQ CPEng