

Test Report

No.: TJHG201302254

Date: JUL.19, 2013

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SAL WHOLESALE PTY LTD.
2 MARSHALL ROAD, AIRPORT WEST VICTORIA 3042, AUSTRALIA

The following sample(s) was/were submitted and identified by the client as:

Sample Description : SOFT FALL MAT
Style/ Item No. : 95-4SF-5
SGS reference No. : SHHG1307025118SD
Country of Origin : CHINA
Sample Receiving Date : JUL.16, 2013
Testing Period : JUL.16, 2013 TO JUL.19, 2013
Country of Origin : CHINA
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : AS/NZS 4422: 1996 + A1 1999 PLAYGROUND SURFACING –
SPECIFICATIONS, REQUIREMENTS AND TEST METHOD -
EXCLUDING TOXICITY HAZARDS IN CLAUSE 5.3
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT.

Signed for and on behalf of
SGS-CSTC Ltd.



Michael Wen
Section Head

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SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.
Hardgoods & Testing Laboratory

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Test Conducted:

AS/NZS 4422: 1996 + A1 1999 Playground surfacing – Specifications, requirements and test method - Excluding toxicity hazards in clause 5.3

1. Scope

This Standard gives general requirements for surfacing to be in children's playgrounds and specific requirements for areas where impact energy attenuation is necessary.

2. Number of Tested Sample: 10 pieces of tiles

3. Test Result

Clause	Test Item	Requirement/Test Method	Rating
5	GENERAL REQUIREMENTS		
5.1	Tripping hazards	Surfacing should be installed without any tripping hazards.	Pass
5.2	Abrasion hazards	The surfacing should be free from any sharp edged parts or any hazardous projections.	Pass
5.3	Toxicity hazards	The surfacing should not contain any component known to present a toxic hazard e.g. wood chips made from chemically treated wood.	N/C
5.4	Inhalation hazard	The surfacing should not contain any component known to present an inhalation hazard e.g. sawdust or finely shredded rubber.	Pass
5.5	Performance information	<p>The suppliers of a playground surfacing should provide information about the performance of the surfacing in respect of the following:</p> <p>(a) Anticipated service life of the product when installed maintained in accordance with the supplier's recommendations.</p> <p>(b) Flammability of the material when tested in accordance with a recognized test procedure.</p> <p>(c) Instructions about correct installations, maintenance and inspection procedures.</p>	N/A
5.5	Loose fill		N/A
5.6	Identification	Where possible, the surface shall be labeled by the manufacturer of supplier, otherwise written information shall be provided for its identification.	N/A
6	SPECIFIC REQUIREMENTS FOR IMPACT ATTENUATION		
6.1	Fall heights up to 50 cm		N/A
6.2	Fall heights over 50 cm		N/A
6.3	No impact energy attenuation		N/A
6.4	Impact attenuation requirements		

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Clause	Test Item	Requirement/Test Method	Rating
6.4.1	General	Test for the impact energy attention of the surface shall be carried out in accordance with Appendix A.A HIC value not exceeding 1000 or g_{max} value not exceeding 200, or both, is obtained for all existing free heights of fall.	N/A
6.4.2	Laboratory	The critical fall height for each material/depth combination shall be determined.	See Annex A
6.4.3	On-site testing	For undersurfacing material tested on –site, the critical fall height for that material shall exceed the free height of fall for each poece of equipment of structure within the fall zones for those poeces or structures.	N/A
6.5	Loose fill material		N/A
7	FALL ZONES		N/A

Note: N/A means not applicable.

N/C means not conducted as per client's requirement.

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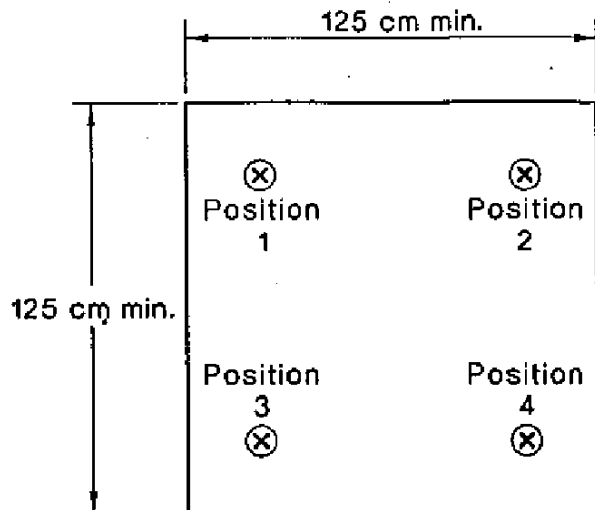
Annex A

Test result of impact attenuation

Test position	Drop height	Total gmax
1	1500 mm	151.74
	1600 mm	204.88
	1700 mm	223.35
	1800 mm	258.02
2	1500 mm	151.44
	1600 mm	191.34
	1700 mm	241.06
	1800 mm	258.30
3	1500 mm	163.34
	1600 mm	177.20
	1700 mm	241.06
	1800 mm	258.30
4	1500 mm	134.09
	1600 mm	195.04
	1700 mm	220.54
	1800 mm	234.44

The critical fall height was 1641 mm

Remark: As per client's request, the impact test is on a single mat.



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Sample Photo:

Test Sample



End of Report

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