

TEST REPORT FOR:
Availcare Pty Ltd
Liberty fold-up shower seat

TEST DOCUMENTS:
AS 1428.1:2009 Design for access and mobility,
Clause 15.5.9 (Folding seats – Showers)

LABORATORY REFERENCE
492965

9th August 2018

TEST REPORT

This report may NOT be reproduced in part without written laboratory authorisation. The NovitaTech Test Laboratory has no control over the selection of test samples. Any extension of the findings of this report to cover production items must be based on the production being truly represented by the sample(s).

Job no: 492956

PRODUCT

Name & Model No.

Availcare Pty Ltd Liberty fold-up shower seat

Serial no of test sample

No serial number

Safe Working Load

112 kg

Documents used in testing

AS 1428.1:2009, Clause 15.5.9, Folding seat

SUPPLIER

Name

Availcare Pty. Ltd.

Address

Beaconsfield Parade
St Kilda West Vic 3182

Telephone

0400 095 077

Email

dave@availcare.com.au

MANUFACTURER

Name

Not supplied

Address

Not supplied



TESTING AUTHORITY

NOVITA CHILDREN'S SERVICES, NOVITATECH TEST LABORATORY

Address

171 Days rd, Regency Park, South Australia, 5010

Telephone

08 8243 8261

Testing Supervisor

Wayne Wurfel

Senior Test Technician

Authorised signatory

Checked

Andrew Rose

Team leader

Dates of testing period

July, August 2018

Date of issue of this report

9th August 2018

AS 1428.1 – 2009 Part 15 Sanitary Facilities (Clause 15.5.9) – FOLDING SEAT

Test/Requirement	Result	Specification according to AS1428.1-2009	Reference in clause of AS1428.1-2009
Construction			
Self draining	PASS	Shall be self draining	15.5.9(a)
Slip resistance	PASS	Shall be slip resistant	15.5.9(b)
Corners	PASS	Corners round or radius 10 to 15mm	15.5.9(c)
Edges	PASS	Top edges rounded to 2~3mm minimum	15.5.9(d)
Folding	PASS	Shall fold in an upwards direction	15.5.9(e)
Drainage	NA (No slats)	Width of gap between slats 4 to 6mm	15.5.9
Strength			15.5.9
1100 N	PASS (1100 N)	Able to withstand a force of 1100N applied at any position or direction without failing or deformation	15.5.9

Remarks:

The shower seat was mounted to a timber bearer using the supplied fastenings. A force of 1100 N was applied to the outer extremity of the seat face in a downwards direction without failure.

Further loads of 1100 N were applied to the seat edges in lateral directions (As required to meet Clause 15.5.9, all directions)

Additional testing was also performed at 1471 N, representing a user weight of 150 kg. There was no failure of the seat at this load.

When making the final evaluation of Pass/Fail based on Clause 15.5.9 requirements, this laboratory makes the following determination:

- Deformation of the shower seat under load is considered acceptable.
- There was no permanent deformation of the shower post-test.
- There was no loosening or rotation of the fastenings or fixings during or post-test

Consideration must be given to the strength and integrity of the wall structure that the shower seat is attached to and the fasteners used for attachment when assessing the true load performance of the seat in actual mounted situations. The manufacturers recommended mounting instructions must be followed when installing this product.

WW. End of remarks-----

Traceable Equipment used for Measurements in this report					
Gauge Number	Gauge Type		Gauge Number	Gauge Type	
TLE004	Standard finger Probe	<input type="checkbox"/>	TLE141	Tape Measure, 5 Metre	<input type="checkbox"/>
TLE009	Cold Climate Chamber	<input type="checkbox"/>	TLE144	Stop Watch	<input type="checkbox"/>
TLE010	Test Rig (Static Load Drop)	<input type="checkbox"/>	TLE148	Protractor, Vernier	<input type="checkbox"/>
TLE011	2 Drum Durability Rig	<input type="checkbox"/>	TLE151	Accelerometer	<input type="checkbox"/>
TLE012	Stability Ramp - Static	<input type="checkbox"/>	TLE167	Test Masses, 25kg	<input type="checkbox"/>
TLE016	Square, Steel - Large	<input type="checkbox"/>	TLE175	2 Drum Durability rig	<input type="checkbox"/>
TLE018	Rule, Steel – 1,000 mm	<input type="checkbox"/>	TLE176	Test Dummy	<input type="checkbox"/>
TLE019	Reference Load Gauge	<input type="checkbox"/>	TLE179	Test Rig Prosthetics, Foot	<input type="checkbox"/>
TLE024	Stability Ramp, Dynamic	<input type="checkbox"/>	TLE182	Multimeter	<input type="checkbox"/>
TLE028	Spring Balance 0-100g	<input type="checkbox"/>	TLE183	Impact Pendulum	<input type="checkbox"/>
TLE029	Spring Balance 0– 5kg	<input type="checkbox"/>	TLE184	Test Dummy	<input type="checkbox"/>
TLE030	Spring Balance 0-20kg	<input type="checkbox"/>	TLE185	Inclinometer	<input type="checkbox"/>
TLE032	Thermometer	<input type="checkbox"/>	TLE186	Inclinometer, small	<input type="checkbox"/>
TLE049	Torque Wrench	<input type="checkbox"/>	TLE196	Test Rig Prosthetics, Knee	<input type="checkbox"/>
TLE067	Tyre Pressure Gauge	<input type="checkbox"/>	TLE201	Load Cell	<input type="checkbox"/>
TLE068	Impact Mass, 25 kg Soccer	<input type="checkbox"/>	TLE203	Impactor	<input type="checkbox"/>
TLE077	Force Gauge, RLG	<input type="checkbox"/>	TLE204	Pendulum Impact Hammer	<input type="checkbox"/>
TLE084	Rule, Steel – 300mm	<input type="checkbox"/>	TLE205	Tape Measure, 8 Metre	<input type="checkbox"/>
TLE087	Test Obstacles	<input type="checkbox"/>	TLE210	Test Obstacle, Threshold	<input type="checkbox"/>
TLE105	Thermohygrograph	<input type="checkbox"/>	TLE211	Prosthetic Set up Gauge	<input type="checkbox"/>
TLE106	Scales, Digital	<input type="checkbox"/>	TLE212	Test Rig, Proof Test	<input type="checkbox"/>
TLE112	Vernier Caliper, 200mm	<input type="checkbox"/>	TLE216	Load Pad, Seat Base	<input type="checkbox"/>
TLE114	Spring Balance, 50kg	<input type="checkbox"/>	TLE218	Square, Steel - Small	<input type="checkbox"/>
TLE131	Test Dummy	<input type="checkbox"/>	TLE220	DC Wattmeter	<input type="checkbox"/>
TLE132	Test Dummy	<input type="checkbox"/>	TLE221	Temp/Humidity Meter	<input type="checkbox"/>
TLE133	Test Dummy	<input type="checkbox"/>	TLE225	Caliper, Digital 200mm	<input type="checkbox"/>

NOTES:

1. Uncertainty of measurement (U_m) has been calculated for linear, angle, force, mass, temperature, cycles and count measurements and meet the referenced standards' specifications.
2. Kgf to N conversion calculations take into account any difference in standard gravity (g_n) to local measurement (g) obtained from the world geodetic system.
3. All testing was carried out in a controlled environment laboratory using methods set out in the Standards documents, all deviations and additions to the Standards' methods are noted in remarks.
4. All instruments either carried valid calibration certificates throughout the test period or were checked against traceable Standards before and after use.
5. The NovitaTech Test Laboratory has no control over the selection of test samples. Any extension of the findings of this report to cover production items must be based on production being truly represented by the sample(s).
6. Any non-conformances are indicated in red.

END OF REPORT

