

Prüfbericht-Nr.: <i>Test Report No.:</i>	60152538-001	Auftrags-Nr.: <i>Order No.:</i>	3253704	Seite 1 von 7 <i>Page 1 of 7</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	29.03.2018	
Auftraggeber: <i>Client:</i>	BuzziSpace nv Groningenlei 141; 2550 Kontich; Belgien			
Prüfgegenstand: <i>Test item:</i>	Sofa family			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	BuzziSpark models "AG 103", "AG102", "AG 112" und "AG 111"			
Auftrags-Inhalt: <i>Order content:</i>	Mechanical test acc. to ANSI/BIFMA X5.4			
Prüfgrundlage: <i>Test specification:</i>	ANSI/BIFMA X5.4: 2012 Lounge and Public Seating - Tests			
Wareneingangsdatum: <i>Date of receipt:</i>	03.05.2018			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000193313 / 1-3			
Prüfzeitraum: <i>Testing period:</i>	03.05.2018 – 04.06.2018			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland LGA Products GmbH			
Prüflaboratorium: <i>Testing laboratory:</i>	Furniture testing laboratory Nuremberg			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
04.06.2018	J. Lauterkorn / Expert	04.06.2018	F. Scharnagl / Head of laboratory	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other: The multiple seating for contract use model range "Sofa family" complies to type *A/B/C/D* in accordance with ANSI/BIFMA X5.4-2012 and meets the requirements for performance and safety for type C/D of this standard. Further information see page 3.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Produktbeschreibung
Product description

Short description of all models:

AG 103 – Opposite sofa large
AG 102 – Opposite sofa compact
AG 112 – Sofa large
AG 111 – Sofa small

Materials and surfaces: (Manufacturer specifications)

Frame made of powder coated metal - RAL 9005
Seat pillow made of polyether foam, upholstery made of polyester filling.
Acoustic shields:
Core: Plywood 1,8 cm | 0,71 "
Cover: Polyether foam, upholstery made of polyester fibre filling
Suspension frame of high-durability glass fiber reinforced slats

Dimensions (H x W x D) / Weight:
1650 x 2400 x 950 mm / 85 kg (AG112)
1400 x 3250 x 995 mm / 140,5 kg (AG103)

Pic 1: AG112 Front view



Pic 2: AG112 Side view



Pic 3: AG103 Front view



Pic 4: AG103 Side view



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Absatz	ANSI/BIFMA X5.4: 2012	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

General Information			
	The content of the test standard was shortened. For details be referred to the original document.		
	The test results have a degree of measurement uncertainty. If applicable, the uncertainty of measurement complies with the requirements of the standards. If the uncertainty of measurement is not separately specified, the combined standard uncertainty of the overall result is $\leq 5\%$.		
1	Scope		
2	Definitions		
3	General		
4	Classification and Applicable Tests		
	Technical Tests acc. to ANSI BIFMA X5.4 cl. 5 to cl. 23		
5	Backrest Strength Test - Horizontal - Static functional load: 667 N (150 lbf.) proof load: 1112 N (250 lbf.) loading time: each 1 minute		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
6	Backrest Strength Test - Vertical - Static functional load: 890 N (200 lbf.) proof load: 1334 N (300 lbf.) loading time: each 1 minute		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
7	Backrest Durability Test - Horizontal - Cyclic seat load: 102 kg (225 lb.) backrest load: 334 N (75 lbf.) cycles: 120 000		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
8	Backrest Durability Test - Vertical - Cyclic load: 890 N (200 lbf.) cycles: 10 000		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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9	<p>Arm Strength Test - Horizontal - Static</p> <p>functional load:</p> <ul style="list-style-type: none"> -with distance between the arms < 889 mm: 445 N (100 lbf.) -with distance between the arms ≥ 889 mm: 592 N (133 lbf.) <p>proof load:</p> <ul style="list-style-type: none"> -with distance between the arms < 889 mm: 667 N (150 lbf.) -with distance between the arms ≥ 889 mm: 890 N (200 lbf.) <p>loading time: each 1 minute</p>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
10	<p>Arm Strength Test - Vertical - Static</p> <p>for arm rests < 965 mm from the floor</p> <p>functional load:</p> <ul style="list-style-type: none"> -for armrest width > 75 mm: 890 N (200 lbf.) -for armrest width ≤ 75 mm: 750 N (169 lbf.) <p>proof load:</p> <ul style="list-style-type: none"> -for armrest width > 75 mm: 1335 N (300 lbf.) -for armrest width ≤ 75 mm: 1125 N (253 lbf.) <p>loading time: each 1 minute</p>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
11	<p>Arm Durability Test - Horizontal - Cyclic</p> <p>for all multiple seating with armrests</p> <p>load: 445 N (100 lbf.)</p> <p>cycles: 50 000</p>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
12	<p>Arm Durability Test for Multiple Seating Units - Vertical - Cyclic</p> <p>load: 667 N (150 lbf.)</p> <p>cycles: 10 000</p>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
13	<p>Arm Durability Test for Single Seat Units - Angular - Cyclic</p> <p>load: 400 N (90 lbf.)</p> <p>Cycles: 60 000</p>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
14	<p>Seating Durability Test - Cyclic</p> <p>impact load: 57 kg (125 lb.)</p> <p>impact height: 30 mm (1.2 in.)</p> <p>Cycles: 100 000</p>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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15	Drop Test - Dynamic functional load: 102 kg (225 lb.) proof load: 136 kg (300 lb.) drop height: 152 mm		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>										
16	Leg Strength Test - Front and Side Application front load test functional load: 334 N (75 lbf.) proof load: 503 N (113 lbf.) loading time: each 1 minute side load test functional load: 334 N (75 lbf.) proof load: 503 N (113 lbf.) loading time: each 1 minute		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>										
17	Unit Drop Test - Dynamic <table border="1" data-bbox="264 1290 868 1469"> <thead> <tr> <th>Unit Weight</th> <th>Drop Height</th> </tr> </thead> <tbody> <tr> <td><45 kg (100 lbs.)</td> <td>180 mm (7.1 in.)</td> </tr> <tr> <td>45 - 90 kg (100-200 lbs.)</td> <td>120 mm (4.7 in.)</td> </tr> <tr> <td>>90 - 136 kg (200 - 300 lbs.)</td> <td>60 mm (2.4 in.)</td> </tr> <tr> <td>>136 kg (300 lbs.)</td> <td>n/a</td> </tr> </tbody> </table>	Unit Weight	Drop Height	<45 kg (100 lbs.)	180 mm (7.1 in.)	45 - 90 kg (100-200 lbs.)	120 mm (4.7 in.)	>90 - 136 kg (200 - 300 lbs.)	60 mm (2.4 in.)	>136 kg (300 lbs.)	n/a		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
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>136 kg (300 lbs.)	n/a												
18	Caster/Unit Base Durability Test - Cyclic seat load: 113 kg (250 lb.) cycles: 500 over obstacles / 250 when multiple seating 25 000 without obstacles		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>										
19	Swivel Test seat load: 113 kg (250 lb.) cycles: 120 000		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>										

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20	Tilt Mechanism Test - Cyclic seat load: 102 kg (225 lb.) cycles: 200 000		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
21	Stability Tests rear stability without tilting mechanism: seat load: 6 discs horizontal force if H ≥ 710 mm (28.0 in.): F ≥ 93 N (20.9 lbf.) horizontal force if H < 720 mm (28.0 in.): F ≥ 0,1964 (1195-H) N / (F ≥ 1,1 [47-H] pounds) rear stability with tilting mechanism: seat load: 13 discs front stability force direction: 45° to the floor load: ≥ 40 % des Gesamtgewichts		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
22	Tablet Arm Load Ease Test - Cyclic load: 343 N (77 lbf.) cycles: 100 000		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
23	Tablet Arm Load Test - Static load: 68 kg (150 lb.) loading time: each 1 minute		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>