Zenith **conference chair**

chair tested and classified according to **EN 16139** (level 2 – extreme use)
shell ignitability tested and classified according to **EN 1021**:1 (cigarette) & 2 (match)

frame, epoxy

shell :

PZ30 PZ60 PZ39 PZ59 PZ69 PZ72 PZ91

- composition : PP-shell and steel-frame
- easy to clean
- the net weight is 5.8 kgs/pc
- width 49 cm, depth 54 cm, height 81 cm, seat 46 cm
- it can bear at least 120 kgs (normal use)
- stackable : floor 10 / trolley : 25

frame

- legs : dia 12 mm, S235JRC+AR, quality complies with EN10277-2, dimension according to EN10278
- seat support : steel S235JR, quality complies with EN10025-5, dimension according to EN10278
- support betwen front legs : tube 30 x 10 mm, tolerance according to EN10305-5, E220 + CR2 S3

shell shell tested and classified according to EN 1021:1 (cigarette) & 2 (match) ignitability

General description

Seatshell made of PP GF

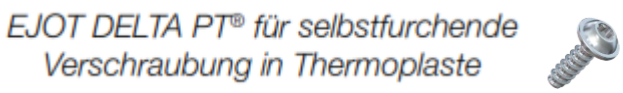
Versatile, robust plastic seatshell. Using glass fibre reinforced Polypropylene guarantees superior properties at favourable material costs: high elasticity, impact strength and rigidity comes with contemporary design and neat, easy to clean surface. Advantages compared to alternatively commonly used materials like Polyamide, Polyurethane or compressed laminated wood are in particular the independence of moisture changes, any colouring, the favourable price and full recyclability. On request the shell is also available with additives for outdoor use and in special colours.

	Method	Unit	Value app.	Comments
Mechanical properties				
Tensile strength	ISO 527-2/1A	N / mm2	**50**	
Elongation at break	ISO 527-2/1A	%	**4**	
Flexural modulus of elasticity	ISO 178	MPa	**2.600**	
Impact strength / Charpy 23°C	ISO 179	KJ/m²	**10**	
Thermical properties				
Flame retardency	DIN 4102	/	**B2**	app. value, not certified
Heat resistance	ISO306 / ISO 75-1	°C	**95**	
Others				
UV-stabilisation for outdoor use in central European climate	Sun Test in central European climate	Years	**5**	optional set-up
Colour fastness	Wool-scale	--	**6-8**	
Chemical resistance		--	on request	typically for PP very good
Disinfectant resistance	resistant against any common alcohol-based disinfectants			
Surface	fine texture on front face, matted on back face			
Dimensions and mounting	L x W x H: 490 x 436 x 430 mm 4 x bosses for direct screwing into plastic; distance length – cross 235 x 202 mm. Distance front bosses to front edge: 78 mm. Tolerances across all colours: +/- 2 mm			

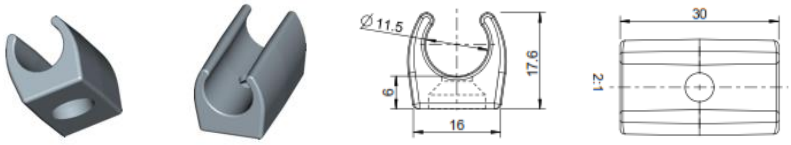
Assembly notes For mounting purpose we recommend screws for direct assembly into thermoplastic materials with nominal diameter of 6 mm (e.g. Ejot Delta PT 60). The screw length is depending on your specific frame situation. A screw-in depth of 10^{+2} mm is recommended. Don't hesitate to contact us for more information.

The information given in this datasheet is based on our knowledge and latest experiences. Due to the numerous influencing factors that occur during processing and application of our products there can be no relief of own tests. Binding warranties of certain properties or the suitability for certain purposes may not be derived. It is the customer's responsibility to obtain trade mark rights and existing laws and regulations.

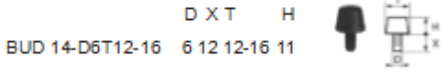
screws



glides



piling caps white !



Testing according to EN 1728:2013

Classification according to
BS **EN 16139**:2013 (level 2)

Furniture. Strength, durability and safety. Requirements for non-domestic seating

The intended use : this chair is suited for general use and extreme use.

- General use : Areas in which seating is usually intended for mixed use (short-time and for a period of several hours, light to heavy load).
- Extreme use : Areas in which seating is occasionally or repeatedly subject to extremely high loads due to their specific types of use or due to improper use. Examples of end-use: nightclubs, police stations, transport terminals, sport changing rooms, prisons, barracks (non-controlled areas).

WOOD.BE

Your references:
Our references: RVP/KH/report n° 160346/2

REPORT n° 160346/2

Client: PERFECTA NV
Baaigemstraat 154
B-9890 GAVERE

Concern: Testing according to EN 1728:2013
Classification according to EN 16139:2013 (LEVEL2)

Sample

- Name chair: ZENITH
- N°: X60501/2
- Description: see annex.

Results of the test

See annex.

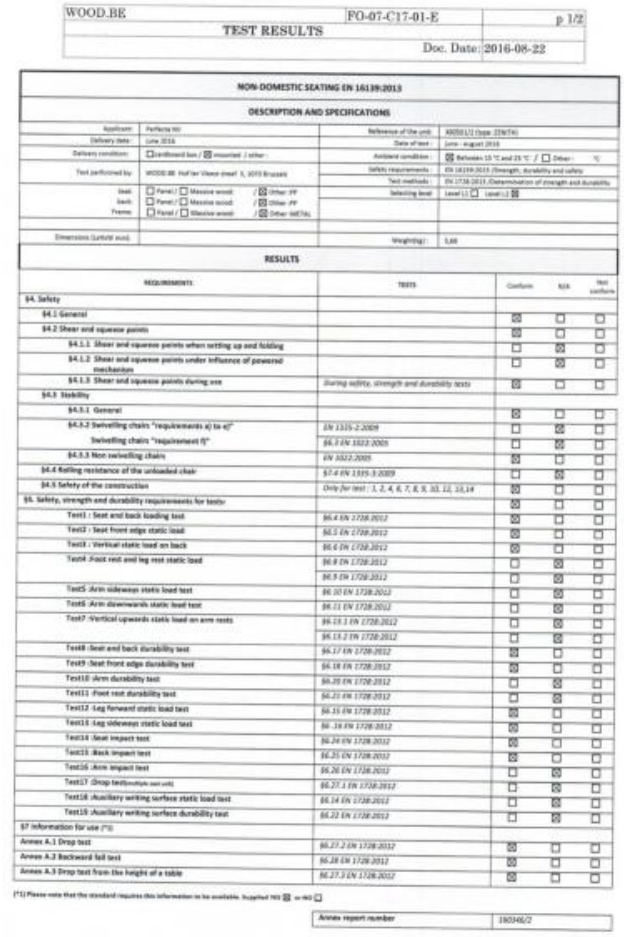
Conclusion

The test sample is in conformity with the standard.

Brussels, August 23rd 2016

Ing. R. Van Pestel
Head of Department

This report contains 1 page en 1 annex and can only be distributed in full by facsimile.
The results only relate to the tested samples.
Unless stated to the contrary, the untested and/or tested samples are only kept in our laboratory for one month counting from the date of the report.



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TEST RESULTS
Doc. Date: 2016-08-22

NON-DOMESTIC SEATING EN 16139:2013

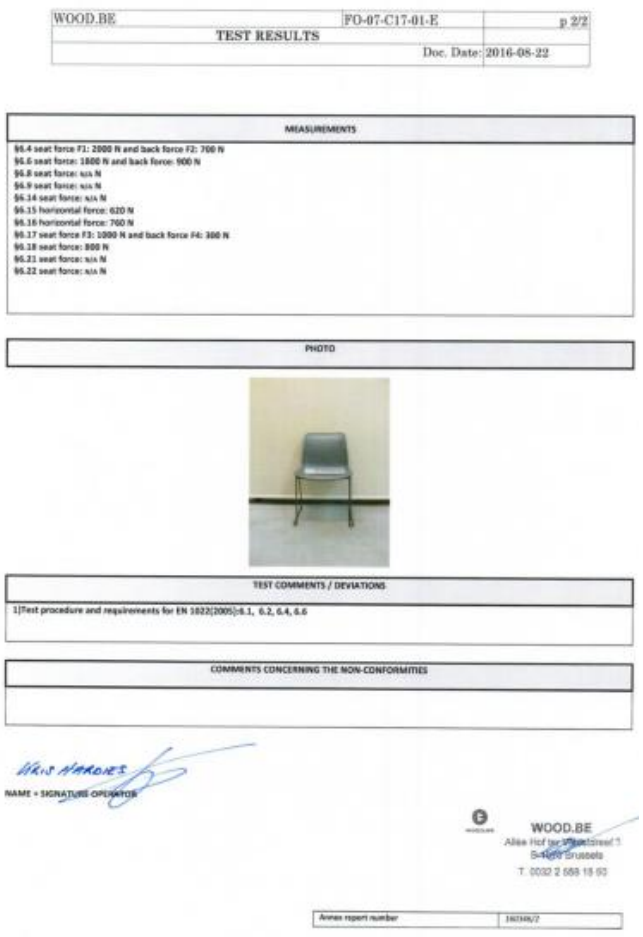
DESCRIPTION AND SPECIFICATIONS

RESULTS

REQUIREMENTS	TESTS	Conform	N/A	Not conform
§4. Safety				
§4.1 General		☒	☐	☐
§4.2 Shear and squeeze points		☒	☐	☐
§4.1.1 Shear and squeeze points when setting up and folding		☐	☒	☐
§4.1.2 Shear and squeeze points under influence of powered mechanism		☐	☒	☐
§4.1.3 Shear and squeeze points during use	During safety, strength and durability tests	☒	☐	☐
§4.3 Stability				
§4.3.1 General		☒	☐	☐
§4.3.2 Swivelling chairs "requirements a) to e)"	EN 1335-2:2009	☐	☒	☐
Swivelling chairs "requirement f)"	§6.3 EN 1022:2005	☐	☒	☐
§4.3.3 Non swivelling chairs	EN 1022:2005	☒	☐	☐
§4.4 Rolling resistance of the unloaded chair	§7.4 EN 1335-3:2009	☐	☒	☐
§4.5 Safety of the construction	Only for test : 1, 2, 4, 6, 7, 8, 9, 10, 12, 13,14	☒	☐	☐
§5. Safety, strength and durability requirements for tests:		☒	☐	☐
Test1 : Seat and back loading test	§6.4 EN 1728:2012	☒	☐	☐
Test2 : Seat front edge static load	§6.5 EN 1728:2012	☒	☐	☐
Test3 : Vertical static load on back	§6.6 EN 1728:2012	☒	☐	☐
Test4 :Foot rest and leg rest static load	§6.8 EN 1728:2012	☐	☒	☐
	§6.9 EN 1728:2012	☐	☒	☐
Test5 :Arm sideways static load test	§6.10 EN 1728:2012	☐	☒	☐
Test6 :Arm downwards static load test	§6.11 EN 1728:2012	☐	☒	☐
Test7 :Vertical upwards static load on arm rests	§6.13.1 EN 1728:2012	☐	☒	☐
	§6.13.2 EN 1728:2012	☐	☒	☐
Test8 :Seat and back durability test	§6.17 EN 1728:2012	☒	☐	☐
Test9 :Seat front edge durability test	§6.18 EN 1728:2012	☒	☐	☐
Test10 :Arm durability test	§6.20 EN 1728:2012	☐	☒	☐
Test11 :Foot rest durability test	§6.21 EN 1728:2012	☐	☒	☐
Test12 :Leg forward static load test	§6.15 EN 1728:2012	☒	☐	☐
Test13 :Leg sideways static load test	§6.16 EN 1728:2012	☒	☐	☐
Test14 :Seat impact test	§6.24 EN 1728:2012	☒	☐	☐
Test15 :Back impact test	§6.25 EN 1728:2012	☒	☐	☐
Test16 :Arm impact test	§6.26 EN 1728:2012	☐	☒	☐
Test17 :Drop test	§6.27.1 EN 1728:2012	☐	☒	☐
Test18 :Auxiliary writing surface static load test	§6.14 EN 1728:2012	☐	☒	☐
Test19 :Auxiliary writing surface durability test	§6.22 EN 1728:2012	☐	☒	☐
§7 Information for use (*1)				
Annex A.1 Drop test	§6.27.2 EN 1728:2012	☒	☐	☐
Annex A.2 Backward fall test	§6.28 EN 1728:2012	☒	☐	☐
Annex A.3 Drop test from the height of a table	§6.27.3 EN 1728:2012	☒	☐	☐

(*1) Please note that the standard requires this information to be available. Supplied YES ☒ or NO ☐

Annex report number: 160346/2



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TEST RESULTS
Doc. Date: 2016-08-22

MEASUREMENTS

§6.4 seat force F1: 2000 N and back force F2: 700 N
§6.6 seat force: 1800 N and back force: 900 N
§6.8 seat force: n/a N
§6.9 seat force: n/a N
§6.14 seat force: n/a N
§6.15 horizontal force: 620 N
§6.16 horizontal force: 760 N
§6.17 seat force F3: 1000 N and back force F4: 300 N
§6.18 seat force: 800 N
§6.21 seat force: n/a N
§6.22 seat force: n/a N

PHOTO

TEST COMMENTS / DEVIATIONS

1)Test procedure and requirements for EN 1022(2005):6.1, 6.2, 6.4, 6.6

COMMENTS CONCERNING THE NON-CONFORMITIES

NAME + SIGNATURE OPERATOR

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Allée Hof ter Vleestraat 1
B-1070 Brussels
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Annex report number: 160346/2

BS **EN 1021-1**:2014
Furniture. Assessment of the ignitability of upholstered furniture. Ignition source smouldering cigarette

BS **EN 1021-2**:2014
Furniture. Assessment of the ignitability of upholstered furniture. Ignition source match flame equivalent

CEN TEX BEL

PERFECTA
Baaigemstraat 154
9890 GAVERE

Uw bericht van	Uw kenmerk	Datum
09-06-2016	2016-179	29-07-2016

Beproevingsverslag 16.03020.02

Gevraagde testen :

EN 1021-1 (2014) — **Zitmeubelen : Ontsteekbaarheid van zitmeubelen - Ontstekingsbron : smeulende sigaret**

EN 1021-2 (2014) — **Zitmeubelen : Ontsteekbaarheid van zitmeubelen – Ontstekingsbron : vlam equivalent aan een lucifer**

Staalnummer	Informatie gegeven door de aanvrager	Ontvangstdatum staal
T1611677	Kuipzitting ref. E60601	09-06-2016

Nathan De Kock

Opdrachtverantwoordelijke

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BTW BE 0459.218.289 • IBAN BE44 2100 4729 6545 • BIC GEBABEBB

Referentie: **T1611677 - Kuipzitting ref. E60601**

Zitmeubelen : Ontsteekbaarheid van zitmeubelen - Ontstekingsbron : smeulende sigaret

Datum beëindiging test 28-07-2016
Toegepaste norm EN 1021-1 (2014)

Afwijking van de norm -

Conditionering 23°C, relatieve vochtigheid 50%

Het afgewerkte zitmeubel wordt getest, zoals gespecifieerd in appendix A.3

De volgende testresultaten hebben enkel betrekking op de ontsteekbaarheid van de materiaalcombinatie bij de testcondities van deze norm; zij zijn niet bedoeld om het volledige brandrisico te bepalen van de materialen in werkelijke gebruiksomstandigheden.

Aansteking: binnnenkant rand

	1 #	2 #	3 #
Criteria - smeulen			
Gevaarlijke escalerende verbranding	neen	neen	neen
Proefstuk volledig opgebrand	neen	neen	neen
Smeulen tot de randen	neen	neen	neen
Smeulen door de volledige dikte	neen	neen	neen
Smeulen gedurende meer dan 1 uur	neen	neen	neen
Afsluitend onderzoek / smeulen	neen	neen	neen
Criteria - branden			
Onstaan van vlammen	neen	neen	neen
	geen ontsteking	geen ontsteking	geen ontsteking

sigaret smeult niet over zijn gehele lengte

Conclusie **Geen ontsteking**

Referentie: **T1611677 - Kuipzitting ref. E60601**

Zitmeubelen : Ontsteekbaarheid van zitmeubelen – Ontstekingsbron : vlam equivalent aan een lucifer

Datum beëindiging test 27-07-2016
Toegepaste norm EN 1021-2 (2014)

Afwijking van de norm -

Conditionering 23°C, relatieve vochtigheid 50%

Het afgewerkte zitmeubel wordt getest, zoals gespecifieerd in appendix A.3

De volgende testresultaten hebben enkel betrekking op de ontsteekbaarheid van de materiaalcombinatie bij de testcondities van deze norm; zij zijn niet bedoeld om het volledige brandrisico te bepalen van de materialen in werkelijke gebruiksomstandigheden.

Aansteking: binnnenkant rand

Aansteektijd (s) 15

	1	2	3
Criteria - smeulen			
Gevaarlijke escalerende verbranding	neen	neen	neen
Proefstuk volledig opgebrand	neen	neen	neen
Smeulen tot de randen	neen	neen	neen
Smeulen door de volledige dikte	neen	neen	neen
Rook/warmte/gloeien meer dan 60 min	neen	neen	neen
Afsluitend onderzoek / smeulen	neen	neen	neen
Criteria - branden			
Gevaarlijke escalerende verbranding	neen	neen	neen
Proefstuk volledig opgebrand	neen	neen	neen
Branden tot de randen	neen	neen	neen
Branden door de volledige dikte	neen	neen	neen
Nabrandtijd >120 s	neen	neen	neen
Nabrandtijd (s)	0	0	0
	geen ontsteking	geen ontsteking	geen ontsteking

Conclusie **Geen ontsteking**