

Certificate of shape stability

1.	Ref. transp. packaging unit:	: Wienerberge	Wienerberger 1000x1000 SPK 240x65x40 880pcs			
2.	Ref. measuring report:	Wienerberge	er nv		- 20181009001	
в.	Company:	Wienerberge	er nv			
4.	Performed test:	Acceleration	test accordi	ng to: Be	e RD of April 27th 2007, EUMOS 4050	19,
5.	Date:	9/10/2018			EN12195-1	:2010
6.	Description of the tested tr <u>Description:</u> A wooden 1000x1000 pallet con			55x40.		
	Add transport packaging: / Anti slip up the pallet:	film: Stretch hood:	1 20	ary packagi d: 🗹 Stra		-
	Pallet_type: 10	000x1000	<u># Layers:</u>	10		
	Height [mm]: 79	90	<u>Weight[kg]:</u>	990		
	Length - LP [mm]: 10	000				
	<u>Width - BP [mm]:</u> 10	000				
7.	Name and signature respon	nsible of the packag	ing:			
8.	Test conditions [.] Relative h	umidity: 50% - Tem	perature: 2	nc - slid	ding of the pallet is prevented mecha	nically



The tested load unit is stable in the BP-direction at 0.5g under the specified test conditions. The tested load unit is stable in the LP-direction at 0.5g under the specified test conditions.



11. Name and signature responsable of the test: Ing. J. Dendauw

ESTL nv - Wafelstraat 46 -8540 Deerlijk - Belgium - T: +32 477/620 614 - F: +32 56/77 86 00 info@estl.be - http://www.estl.be - BE0818.634.666 - RPR Kortrijk



TEST REPORT of the ACCELERATION TEST based on RD of April 27th 2007, EN12195:2010, EUMOS 40509

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Ref. measuring report:	Wienerberger nv	-	20181009001

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Specifications of the test

<u>Client</u>

<u>Company:</u>	Wienerberger nv			
Address:	Kapel Ter Bede 121			
	8500 Kortrijk			
	België			
Contact pers.:	Danny Wallaert			
<u>Tel. nr.:</u>	+32 (0) 56 24 96 27			
<u>Fax nr.:</u>	-			
<u>Mob. nr.:</u>	-			
<u>E-mail:</u>	Danny.Wallaert@wienerberger.com			

Test details:

Test facility:	ESTL nv, wafelstraat 45, 8540 Deerlijk, België			
Test responsible:	Ing. Jelle Dendauw			
Test equipment:	MJ1500 acceleration bench			
<u>Test date:</u>	9/10/2018			
People attending:	Jelle Dendauw (ESTL), Danny Wallaert (Wienerberger nv			
Temperature [°C]:	20			
<u>Rel. humidity [%]:</u>	50			
Load conditions:	Sliding of the load unit is prevented mechanically.			
Attached documents to the report: /				

Goal of the acceleration test

According to the Belgian RD* of April 27th 2007, EUMOS 40509 and the EN12195:2010, a load securing layout has to be capable of withstanding certain forces of inertia. These forces amount to 0,8g in forward direction, 0,5g in rearward direction and 0,5g in the sideward directions. The acceleration test allows for an unambiguous assessment of a certain load unit, secured in a specified manner, with the rules and regulations of the Belgian RD.

A load unit is placed on a platform and is secured in the correct orientation and according to a specified securing layout. The platform is then accelerated at 0,8g or 0,5g to imitate the influence of the forces of inertia originating from the forward deceleration as prescribed in abovementioned RD. The stability of the load unit is then assessed. If the load unit is deemed stable, it is rotated 90 degrees, together with the securing layout. Next, the platform is accelerated at 0,5g to imitate the influence of the forces of inertia originating from the sideward acceleration prescribed in abovementioned RD. After this test the stability of the load unit is assessed once again.









Reference20181009/001Company:Wienerberger nv

AuthorDendauw JelleContact:Danny WallaertDate:9/10/2018Pallet name:Wienerberger1000x1000SPK 240x65x40880pcs

Load Securing

Conclusions











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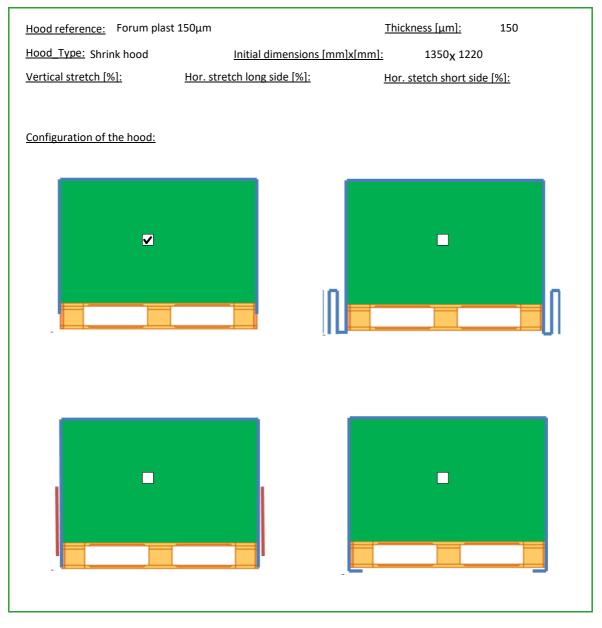
Load Securing

General remarks and conclusions

Conclusions:

- The pallet is behaving shape stable at 0,5g in both directions following EUMOS40509.

Hood specifications











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AuthorDendauw JelleContact:Danny WallaertDate:9/10/2018Pallet name:Wienerberger1000x1000 SPK 240x65x40 880pcs

Pallet specifications

Name of the pallet: Wienerberger 1000x1000 SPK 240x65	5x40 880pcs
A wooden 1000x1000 pallet containing 10 layers of 88 bricks SPK 240x65x40.	psti /
Pallet type: 1000x1000 Stacking pattern: Interlocked # Layers: 10 Cases per layer: 88 Tie sheet between load and pallet: Image: Case of the sheet on top of layer(s):	
<u>LP [mm]:</u> 1000 <u>BP[mm]:</u> 1000 <u>Weight [kg</u>]	l <u>:</u> 990 <u>Height [mm]:</u> 790
Primary packaging Name.: / Type:	

Secondary packaging				
<u>Name:</u> /				
Theor. head space [mm]:	0		A	
Gross weight [kg]:	0	0	н	
Compression force [N]:	0			
Fluting type:				_
Prim units per sec. unit:	0)
			0	
Additional packaging				
Additional packaging				

