

Certificate of shape stability

	C	er tilledte of shape stabi	incy		
1.	Ref. transp. packaging unit:	Wienerberger 950x950 SPK 182x82x88 500pcs			
2.	Ref. measuring report:	Wienerberger Beerse - 20	0181009003		
в.	Company:	Wienerberger Beerse			
4.	Performed test:	Acceleration test according to: Be RD of April 27t	h 2007, EUMOS 40509,		
5.	Date:	9/10/2018	EN12195-1:2010		
6.	Description of the tested transpo	ort packaging unit			
	Description:				
	A wooden 950x950 containing 10 layers of 50 bricks SPK 182x82x63.				
	Primary packaging: /	Secundary packaging: /			
	Tertiary packaging: Stretch film: [Stretch hood: 🗌 Shrink hood: 🗹 Straps: 🗌			
	Add transport packaging: /	250			
	Anti slip up the pallet:				
	Anti slip up on layer(s):				
	Stacking pattern: Interlock	ed 🛛			
	Pallet type: 950x950	<u># Layers:</u> 10			
	Height [mm]: 870	Weight[kg]: 960			
	Length - LP [mm]: 950				
	<u>Width - BP [mm]:</u> 950				
7.	Name and signature responsible	of the packaging:			
8.	Test conditions: Relative humidit	y: 50% - Temperature: 20°C - Sliding of the pallet	t is prevented mechanically.		
9.		Toetsing gebaseerd op			
5.	Picture in the BP-direction after the test. Picture in the LP-direction after the test.				
10 10 10 10 10 10 10 10 10 10 10 10 10 1					
	DESIMPEL N12642				
	DESIMP	-4			
	B DESIM	erung - ch			
10	. Conclusions:		ESTL nv		
	The tested load unit is shape stable in the	ne BP-direction at 0.5g under the specified test conditions.	Wafelstmart 16		

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

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

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

erlik

België



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

Ref. transp. packaging unit:	Wienerberger 950x950 SPK 182x82x88 500pcs		
Ref. measuring report:	Wienerberger Beerse	-	20181009003

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Specifications of the test

<u>Client</u>

<u>Company:</u>	Wienerberger Beerse		
Address:	Absheide 28		
	2340	Beerse	
	België		
Contact pers.:	Danny Wallaert		
<u>Tel. nr.:</u>	+32 (0) 56	5 24 96 27	
<u>Fax nr.:</u>	-		
<u>Mob. nr.:</u>	-		
<u>E-mail:</u>	Danny.Wa	allaert@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.









Engineering

Reference20181009/003Company:Wienerberger Beerse

AuthorDendauw JelleContact:Danny WallaertDate:9/10/2018Pallet name:Wienerberger950x950 SPK 182x82x88 500pcs9/10/2018

Load Securing

Conclusions











Load Securing

Engineering

Reference20181009/003AuthorDendauw JelleCompany: Wienerberger BeersePallet name: Wienerberger

AuthorDendauw JelleContact: Danny WallaertPallet name: Wienerberger950x950 SPK 182x82x88 500pcs

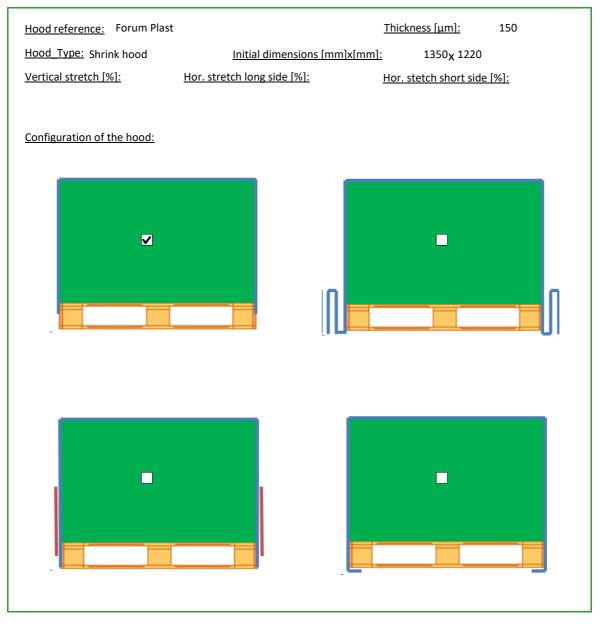
Date: 9/10/2018

General remarks and conclusions

Conclusions:

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

Hood specifications











Load Securing

Engineering

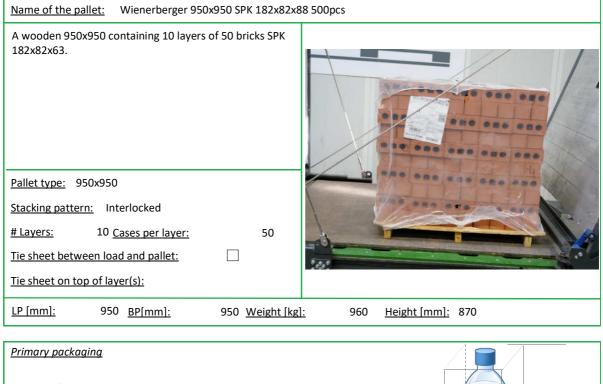
20181009/003 Author Dendauw Jelle Company: Wienerberger Beerse

Contact: Danny Wallaert Pallet name: Wienerberger 950x950 SPK 182x82x88 500pcs

Date: 9/10/2018

Pallet specifications

Reference



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

Additional packaging		
/		

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