

Certificate of shape stability

1.	Ref. transp. packaging unit:	Wienerberger 1200x650 BEE 215x102x65	528	pcs
2.	Ref. measuring report:	Wienerberger nv	-	20181009010
в.	Company:	Wienerberger nv		
4.	Performed test:	Acceleration test according to: Be RD of A	pril 2	27th 2007, EUMOS 40509,
5.	Date:	9/10/2018		EN12195-1:2010

6. Description of the tested transport packaging unit

Description:

A wooden 1200x650 pallet containing 10 layers. In total there are 528 bricks BEE 215x102x65 on the pallet. There are two vertical straps in the BP-direction.



8. Test conditions: Relative humidity: 50% - Temperature: 20°C - Sliding of the pallet is prevented mechanically.
9. Picture in the BP-direction after the test.
Picture in the LP-direction after the test.



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



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

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

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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)			
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.









Reference20181009/010Company:Wienerberger nv

AuthorDendauw JelleContact:Danny WallaertDate:9/10/2018Pallet name:Wienerberger1200x650BEE215x102x65528pcs

Load Securing

Conclusions











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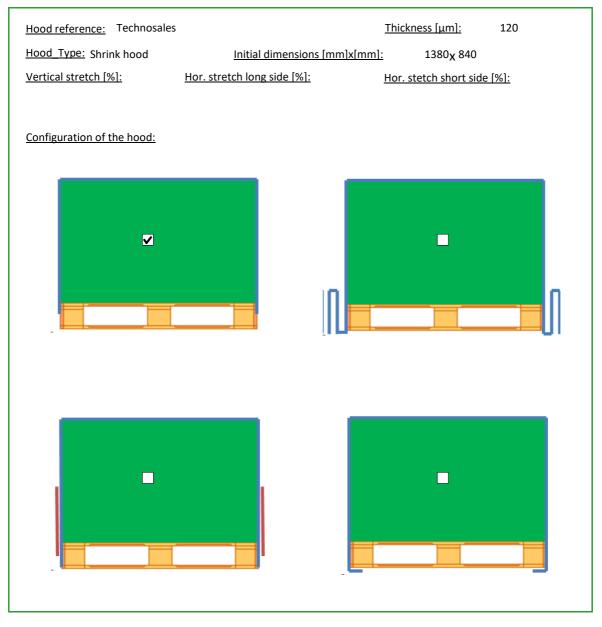
Load Securing

General remarks and conclusions

Conclusions:

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

Hood specifications











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Load Securing

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Pallet specifications

Name of the pallet: Wienerberger 1200x650 BEE 215x102x65 528pcs			
A wooden 1200x650 pallet containing 10 layers. In total there are 528 bricks BEE 215x102x65 on the pallet. There are two vertical straps in the BP-direction.	Contraction of the second of t		
Pallet type: 1200x650	Etil ang Material Solutions		
Stacking pattern: Interlocked			
# Layers: 10 Cases per layer:			
Tie sheet between load and pallet:			
Tie sheet on top of layer(s):			
<u>LP [mm]:</u> 1200 <u>BP[mm]:</u> 650 <u>Weight [kg]</u>	<u>:</u> 1240 <u>Height [mm]:</u> 1100		
Primary packaging			
<u>Name.:</u> / <u>Type:</u>			

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

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