

Certificate of shape stability

5.	Date:	31/01/2019	EN1219	95-1:2010
4.	Performed test:	Acceleration test according to: Be RD of April 27th 2007, EUMOS 40509,		
з.	Company:	Wienerberger nv		
2.	Ref. measuring report:	Wienerberger nv -	20190624008	
1.	Ref. transp. packaging unit:	Wienerberger 850x850 BEENOVA 288x138	<188 72+57pcs	

6. Description of the tested transport packaging unit

Description:

A wooden 850x850 pallet containing 2 packs with a shrink hood. The bottom pack contians 5 layers, the top unit 4 layers. There are 2 vertical straps (16x0,89mm PET) in the BP-direction. They join the pallet and the 2 packs of bricks. In total there are 72+57 bricks RUM 288X138X188 on the pallet.



8. Test conditions: Relative humidity: 48% - Temperature: 2°C - Sliding of the pallet is prevented mechanically.
9. Picture in the BP-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

Ref. transp. packaging unit:	Wienerberger 850x850 BEENOVA 288x138x188 72+57pcs		
Ref. measuring report:	Wienerberger nv	-	20190624008

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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>	31/01/2019				
People attending:	Jelle Dendauw (ESTL), Danny Wallaert (Wienerberger), Kristof Decroos (Wienerberger)				
Temperature [°C]:	20				
<u>Rel. humidity [%]:</u>	48				
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.







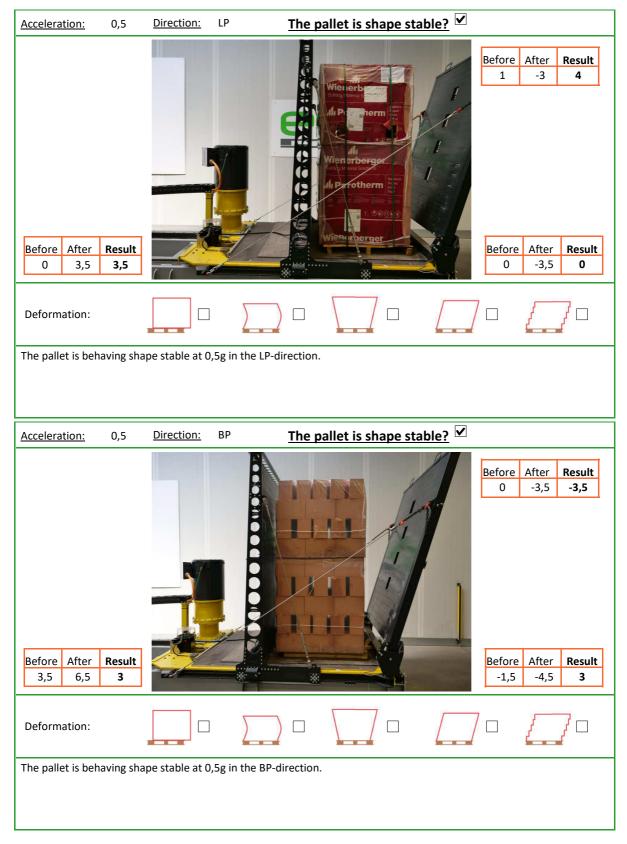




Reference20190624/008Company:Wienerberger nv

AuthorDendauw JelleContactDanny WallaertDate:31/01/2019Pallet nameWienerberger850x850BEENOVA 288x138x18872+57pcs

Conclusions











Load Securing Engineering

Company: Wienerberger nv

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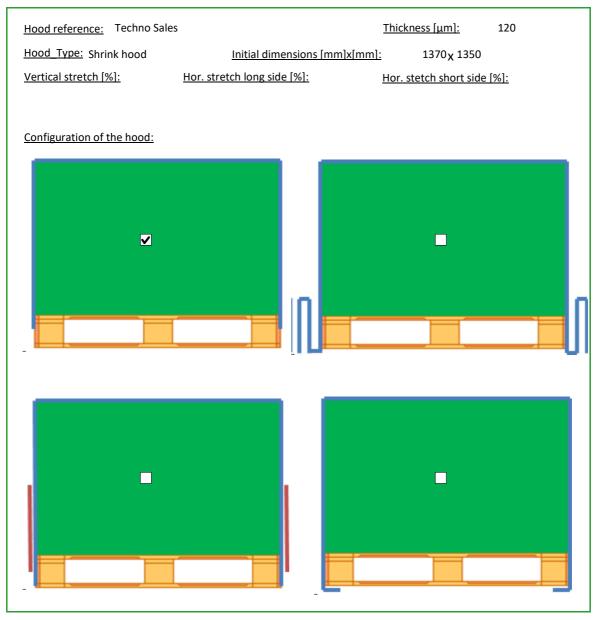
General remarks and conclusions

Conclusions:

- The pallet is behaving shape stable in the LP- and BP-direction at 0,5g following EUMOS 40509.

- Tilting should be avoided on truck level.

Hood specifications





Company: Wienerberger nv







Load Securing

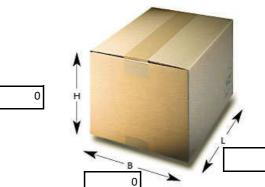


Author Dendauw Jelle Contact Danny Wallaert Date: 31/01/2019 Pallet name Wienerberger 850x850 BEENOVA 288x138x188 72+57pcs

Pallet specifications



Gross weight [kg]: Compression force [N]: Fluting type: Prim units per sec. unit:



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Additional packaging		
Vertical straps		

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