

1. Ref. transp. packaging unit:	Wienerberger 1050x850 SPK 215x102x65 620pcs
2. Ref. measuring report:	Wienerberger nv - 20210427006
3. Company:	Wienerberger nv
4. Performed test:	Acceleration test following EUMOS40509:2020
5. Test date:	27/04/2021
6. Test institute and responsible:	ESTL nv, Wafelstraat 46, 8540 Deerlijk, Belgium - Dendauw Jelle

7. Description of the tested load unit:

A wooden 1050x850 pallet containing 10 layers of 62 bricks SPK 215x102x65. There are 2 vertical straps in the LP-direction.

Primary packaging: / Secondary packaging: /

Tertiary packaging: Stretch film: Stretch hood: Shrink hood: Straps:

Add transport packaging: /

Anti slip up the pallet:

Anti slip up on layer(s):

Stacking pattern: Interlocked

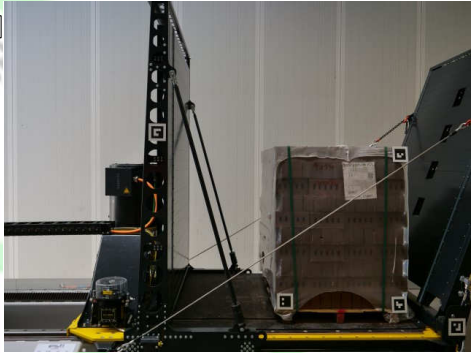
Pallet type: 1050x850 # Layers: 10

Height [mm]: 1130 Weight[kg]: 1710

Length - LP [mm]: 1050

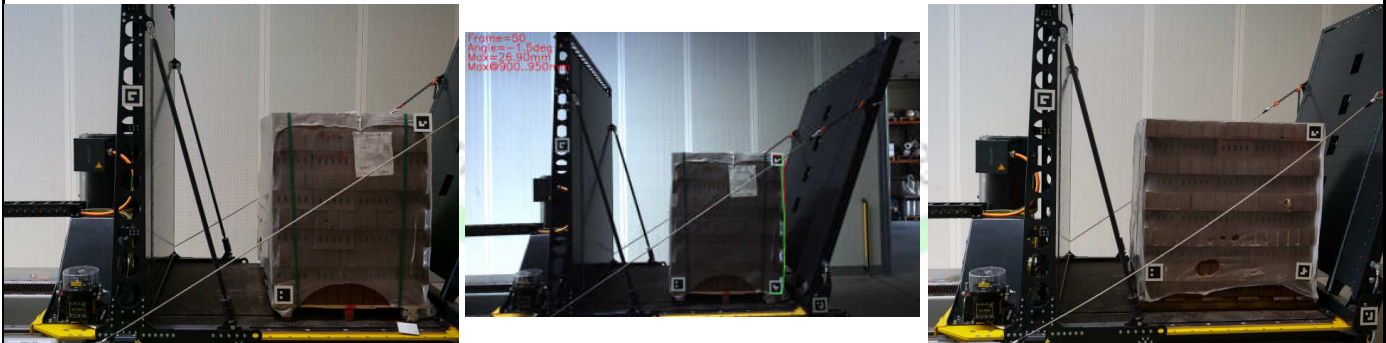
Width - BP [mm]: 850

8. Name and signature responsible of the packaging: Danny Wallaert



9. Test conditions: Relative humidity: 48% - Temperature: 20°C - Sliding of the pallet is prevented mechanically.

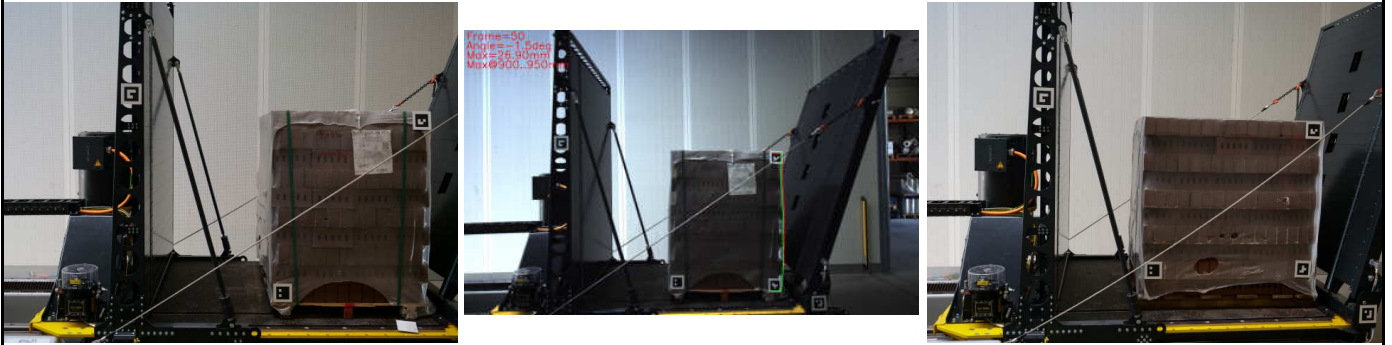
10a. Picture before - during - after the acceleration test in the BP-direction



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

11a.

Picture before - during - after the acceleration test in the LP-direction



11b. Conclusion LP-direction:

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

12. Name and signature responsible of the test: Ing. J. Dendauw



Specifications of the test

Contact information client

Company: Wienerberger nv

Address: Kapel Ter Bede 121
8500 Kortrijk
België

Contact pers.: Danny Wallaert

Tel. nr.: +32 (0) 56 24 96 27

Fax nr.: -

Mob. nr.: -

E-mail: Danny.Wallaert@wienerberger.com

Test details:

Test facility: ESTL nv, Wafelstraat 46, 8540 Deerlijk, Belgium

Test responsible: Dendauw Jelle

Test equipment: MJ1500 acceleration bench

Test date: 27/04/2021

People attending: Jelle Dendauw (ESTL), Danny Wallaert (Wienerberger)

Temperature [°C]: 20

Rel. humidity [%]: 48

Load conditions: Sliding of the load unit is prevented mechanically.

Attached documents to the report: /

Reference 20210427/006
Company: Wienerberger nv

Author Dendauw Jelle
LU name: Wienerberger 1050x850 SPK 215x102x65 620pcs

Contact: Danny Wallaert

Date: 27/04/2021

Test specifications

<u>Customer:</u>	Wienerberger nv	<u>Contact:</u>	Danny Wallaert	
<u>Test facility:</u>	ESTL nv, Wafelstraat 46, 8540 Deerlijk, Belgium	<u>Date</u>	27/04/2021	
<u>Test engineer:</u>	Dendauw Jelle	<u>Temperature [°C]:</u>	20 <u>Rel. humidity [%]:</u>	48
<u>Load unit:</u>	Wienerberger 1050x850 SPK 215x102x65 620pcs			

Conclusions and remarks

Conclusion LP-direction: The load unit behaves shape stable following EUMOS40509 at an acceleration of 0,5g.

Conclusion BP-direction: The load unit behaves shape stable following EUMOS40509 at an acceleration of 0,5g.

Pallet specifications

Name of the pallet: Wienerberger 1050x850 SPK 215x102x65 620pcs

A wooden 1050x850 pallet containing 10 layers of 62 bricks SPK 215x102x65. There are 2 vertical straps in the LP-direction.

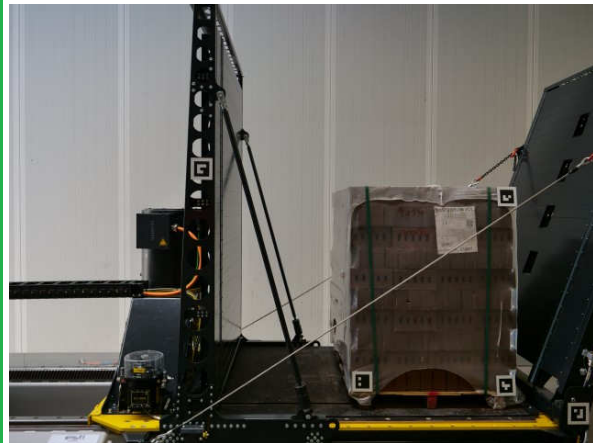
Pallet type: 1050x850

Stacking pattern: Interlocked

Layers: 10 Cases per layer: 62

Tie sheet between load and pallet:

Tie sheet on top of layer(s):



LP [mm]: 1050 BP[mm]: 850 Weight [kg]: 1710 Height [mm]: 1130

Reference 20210427/006
Company: Wienerberger nv

Author Dendauw Jelle Contact: Danny Wallaert
LU name: Wienerberger 1050x850 SPK 215x102x65 620pcs

Date: 27/04/2021

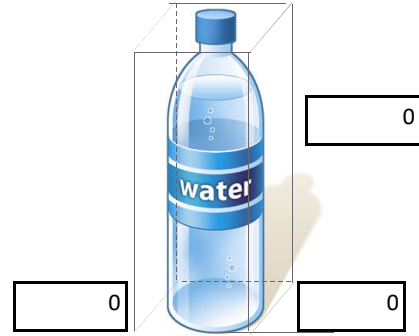
Primary packaging

Name: /

Type:

Description:

/



Secondary packaging

Name: /

Theor. head space [mm]:

0

Gross weight [kg]:

0

0

Compression force [N]:

0

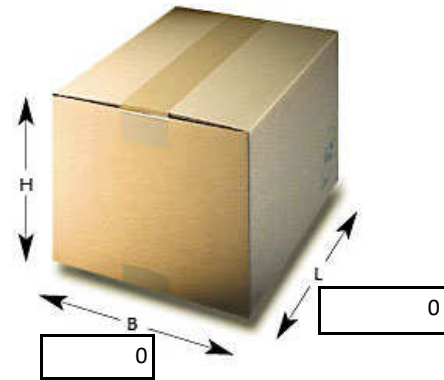
Fluting type:

Prim units per sec. unit:

0

Description:

/



Additional packaging

/

Tertiary packaging - stretch hood

Hood reference: Forum plast

Thickness [µm]: 150

Hood Type: Shrink hood

Initial dimensions [mm]x[mm]: 1250x 1220

Vertical stretch [%]:

Hor. stretch long side [%]:

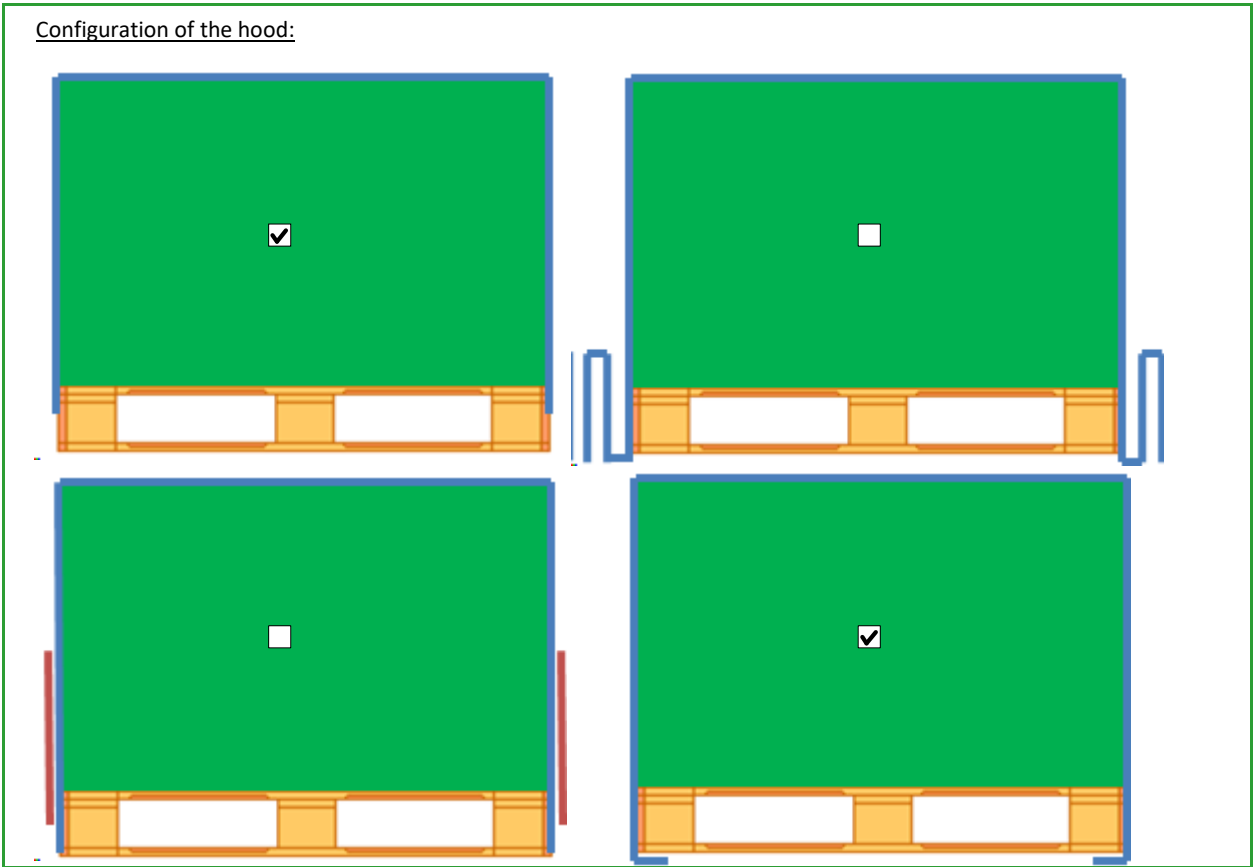
Hor. stretch short side [%]:

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Company: Wienerberger nv

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Configuration of the hood:






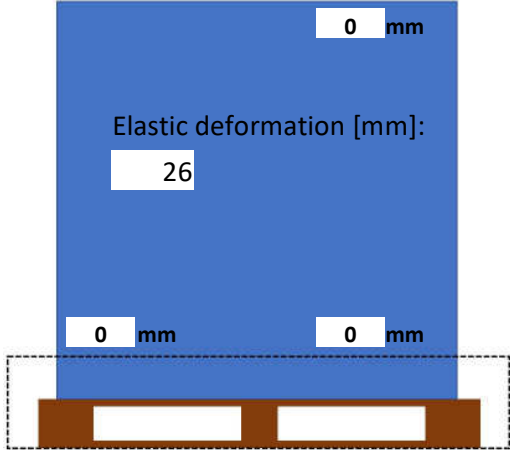
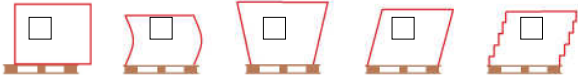
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LU name: Wienerberger 1050x850 SPK 215x102x65 620pcs

Date: 27/04/2021

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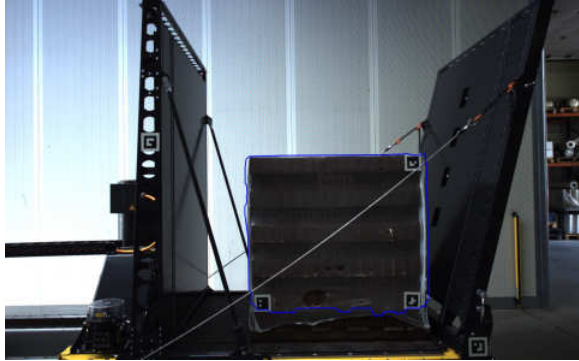
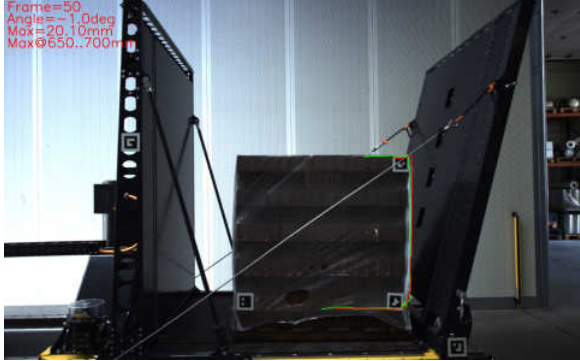
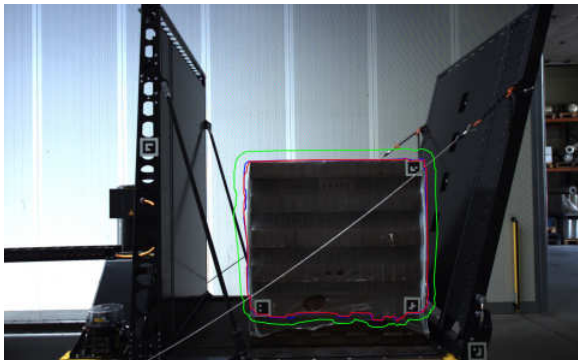
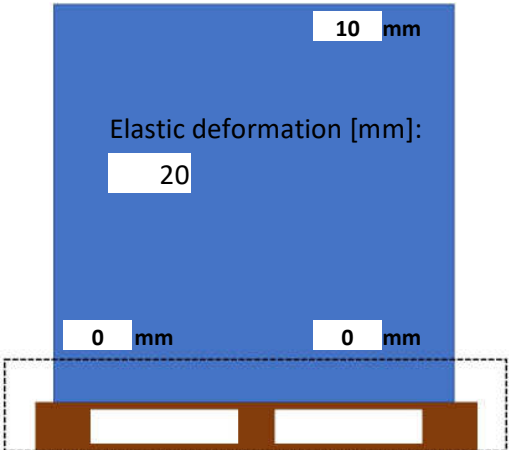
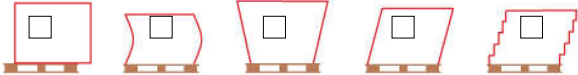
Individual tests

<u>Acceleration:</u> 0,5	<u>Direction:</u> BP	EUMOS40509 compliant? <input checked="" type="checkbox"/>
<p>BEFORE THE TEST</p> 		<p>DURING THE TEST (max deformation)</p> 
<p>AFTER THE TEST</p> 		<p>DEFORMATIONS</p> 
<p><u>Testing history sample:</u> Ambient conditions.</p>		
<p><u>Comment:</u> The pallet is behaving shape stable at 0,5g in the BP-direction.</p>		

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LU name: Wienerberger 1050x850 SPK 215x102x65 620pcs

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Date: 27/04/2021

<u>Acceleration:</u> 0,5	<u>Direction:</u> LP	EUMOS40509 compliant? <input checked="" type="checkbox"/>
<u>BEFORE THE TEST</u>		<u>DURING THE TEST (max deformation)</u>
		
<u>AFTER THE TEST</u>		<u>DEFORMATIONS</u>
		
<u>Testing history sample:</u> Ambient conditions.		
<u>Comment:</u> The pallet is behaving shape stable at 0,5g in the LP-direction.		