

1. Ref. transp. packaging unit:	Wienerberger 950x950 SPK 182x88x88 500pcs
2. Ref. measuring report:	Wienerberger nv - 20210427005
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 950x950 pallet containing 10 layers of 50 bricks SPK 182x88x88.

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: 950x950 # Layers: 10

Height [mm]: 965 Weight[kg]: 1100

Length - LP [mm]: 950

Width - BP [mm]: 950

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** 20210427/005  
**Company:** Wienerberger nv

**Author** Dendauw Jelle  
**LU name:** Wienerberger 950x950 SPK 182x88x88 500pcs

**Contact:** Danny Wallaert  
**Date:** 27/04/2021

## Test specifications

<b>Customer:</b>	Wienerberger nv	<b>Contact:</b>	Danny Wallaert
<b>Test facility:</b>	ESTL nv, Wafelstraat 46, 8540 Deerlijk, Belgium	<b>Date</b>	27/04/2021
<b>Test engineer:</b>	Dendauw Jelle	<b>Temperature [°C]:</b>	20 <b>Rel. humidity [%]:</b> 48
<b>Load unit:</b>	Wienerberger 950x950 SPK 182x88x88 500pcs		

## 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 950x950 SPK 182x88x88 500pcs

A wooden 950x950 pallet containing 10 layers of 50 bricks SPK 182x88x88.

**Pallet type:** 950x950

**Stacking pattern:** Interlocked

**# Layers:** 10 **Cases per layer:** 50

**Tie sheet between load and pallet:**

**Tie sheet on top of layer(s):**



**LP [mm]:** 950 **BP[mm]:** 950 **Weight [kg]:** 1100 **Height [mm]:** 965

Reference 20210427/005  
Company: Wienerberger nv

Author Dendauw Jelle      Contact: Danny Wallaert  
LU name: Wienerberger 950x950 SPK 182x88x88 500pcs

Date: 27/04/2021

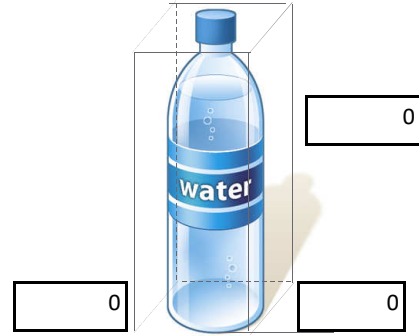
Primary packaging

Name: /

Type:

Description:

/



Secondary packaging

Name: /

Theor. head space [mm]:

0

Gross weight [kg]:

0

0

Compression force [N]:

0

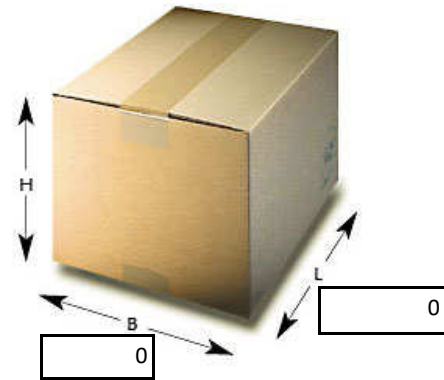
Fluting type:

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 [%]:

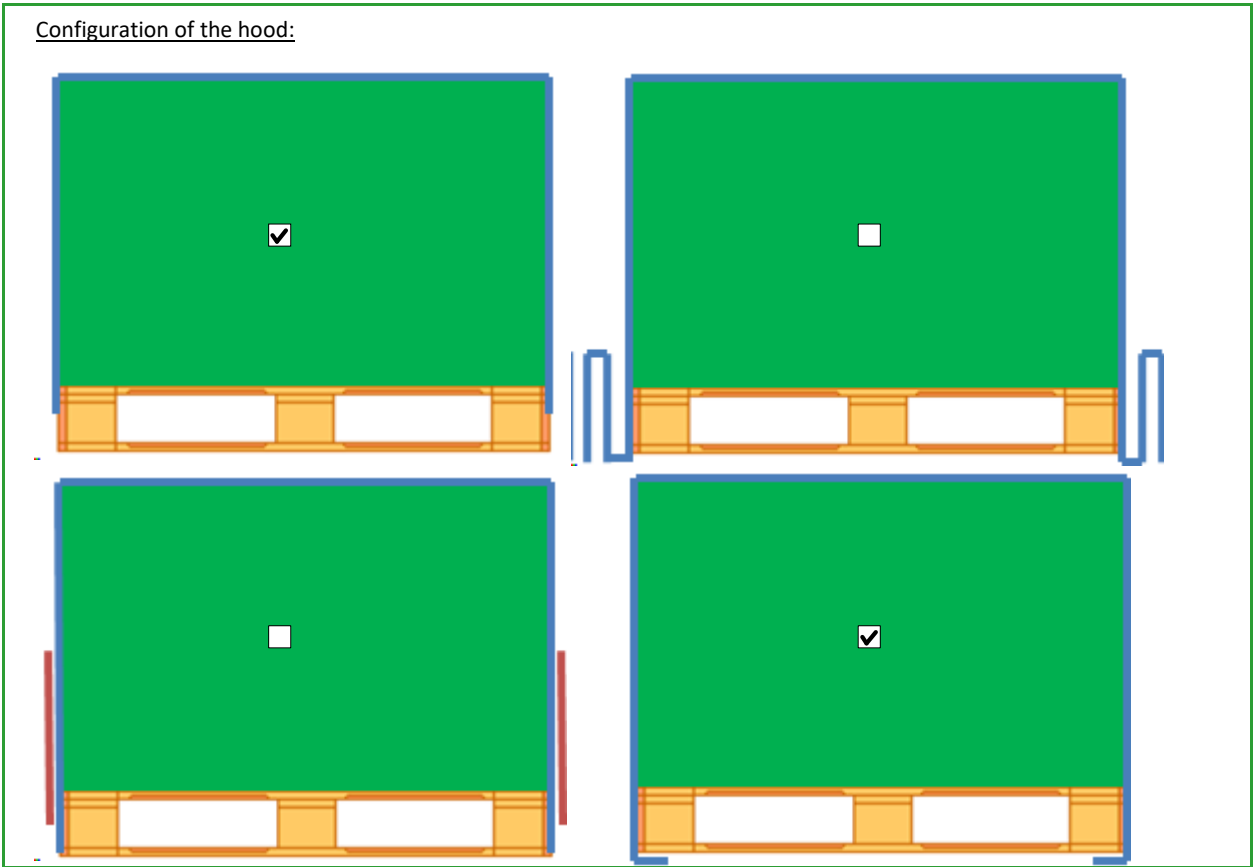
**Reference** 20210427/005  
**Company:** Wienerberger nv

**Author** Dendauw Jelle  
**LU name:** Wienerberger 950x950 SPK 182x88x88 500pcs

**Contact:** Danny Wallaert

**Date:** 27/04/2021

Configuration of the hood:



Reference 20210427/005  
Company: Wienerberger nv



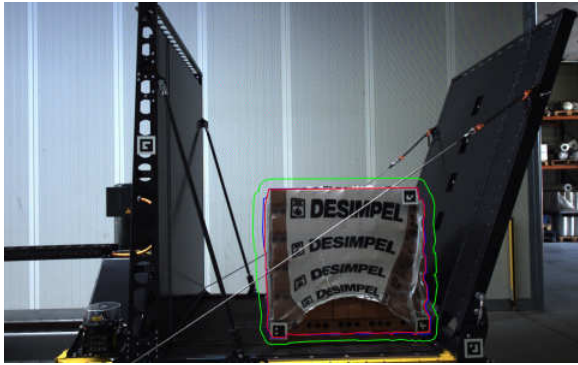
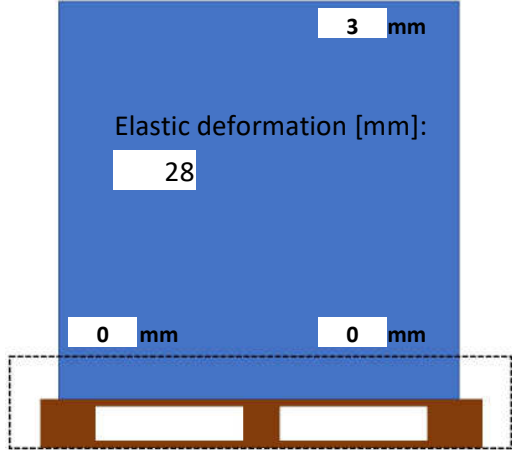
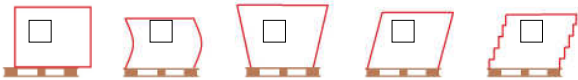
Author Dendauw Jelle  
LU name: Wienerberger 950x950 SPK 182x88x88 500pcs

Contact: Danny Wallaert

Date: 27/04/2021

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**Individual tests**

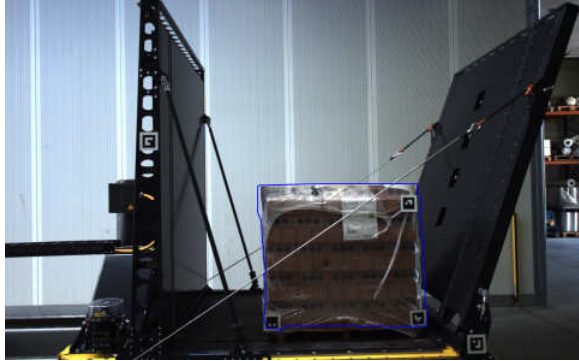

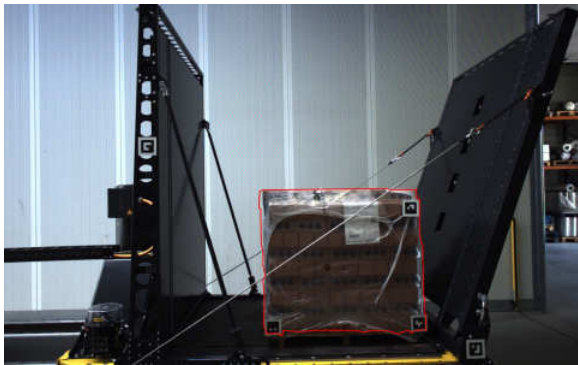
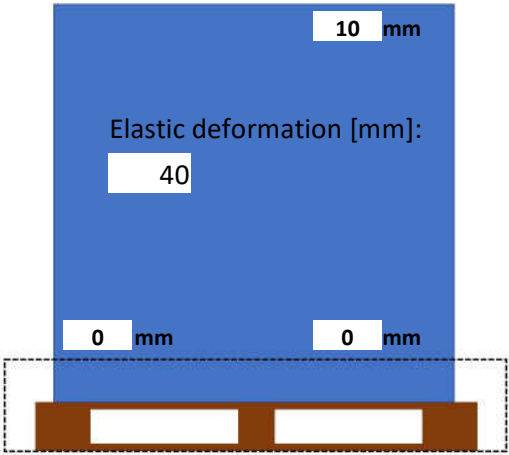
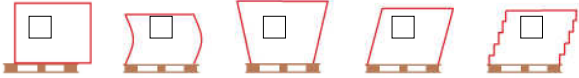
<u>Acceleration:</u> 0,5	<u>Direction:</u> BP	<b>EUMOS40509 compliant?</b> <input checked="" type="checkbox"/>
<p><b><u>BEFORE THE TEST</u></b></p> 		<p><b><u>DURING THE TEST (max deformation)</u></b></p> 
<p><b><u>AFTER THE TEST</u></b></p> 		<p><b><u>DEFORMATIONS</u></b></p> 
<p><u>Testing history 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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Company: Wienerberger nv

Author Dendauw Jelle  
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Date: 27/04/2021

<u>Acceleration:</u> 0,5	<u>Direction:</u> LP	<b>EUMOS40509 compliant?</b> <input checked="" type="checkbox"/>
<p><b><u>BEFORE THE TEST</u></b></p> 		<p><b><u>DURING THE TEST (max deformation)</u></b></p> 
<p><b><u>AFTER THE TEST</u></b></p> 		<p><b><u>DEFORMATIONS</u></b></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 LP-direction.</p>		