



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: Bouckaert Laurens  
Test equipment: MJ1500 acceleration bench  
Test date: 3/08/2023  
People attending: Laurens Bouckaert (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** 20230803/002  
**Company:** Wienerberger nv

**Author** Bouckaert Laure **Contact:** Danny Wallaert **Date:** 3/08/2023  
**LU name:** WNRBRGR 1200x650 BEE ECOWF 210x65x50 (15x) (996pcs)

## 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>	3/08/2023	
<u>Test engineer:</u>	Bouckaert Laurens	<u>Temperature [°C]:</u>	20 <u>Rel. humidity [%]:</u>	48
<u>Load unit:</u>	WNRBRGR 1200x650 BEE ECOWF 210x65x50 (15x) (996pcs)			

## 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.

- Stackingpattern 2  
- BEERSE ECOWF 215x65x50

## Pallet specifications

Name of the pallet: WNRBRGR 1200x650 BEE ECOWF 210x65x50 (15x) (996pcs)

A custom 1200x650 pallet containing 15 layers of bricks. Each pallet contains 996 bricks with the following dimensions: 210x65x59. There are 4 vertical straps in the BP-direction.

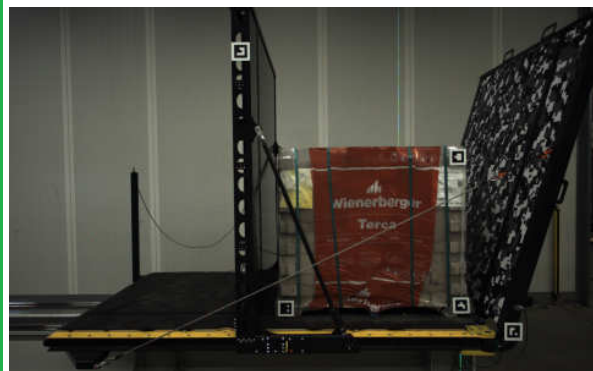
Pallet type: Custom 1200x650

Stacking pattern: Interlocked

# Layers: 15 Cases per layer:

Tie sheet between load and pallet:

Tie sheet on top of layer(s):



LP [mm]: 1200 BP[mm]: 650 Weight [kg]: 1200 Height [mm]: 1070

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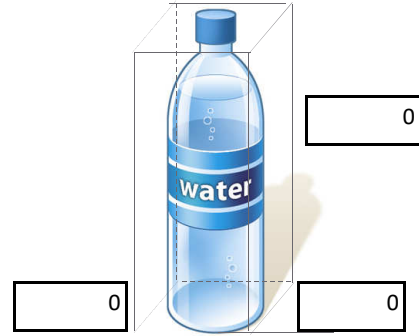
Primary packaging

Name: /

Type:

Description:

/



Secondary packaging

Name: /

Theor. head space [mm]:

0

Gross weight [kg]:

0

0

Compression force [N]:

0

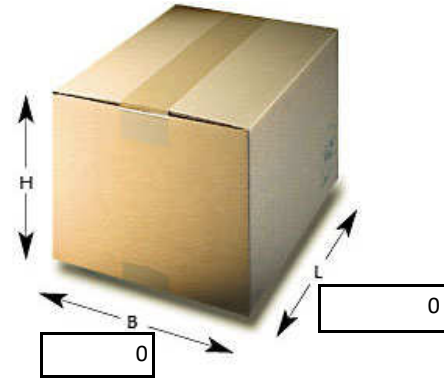
Fluting type:

Prim units per sec. unit:

0

Description:

/



Additional packaging

vertical straps

### Tertiary packaging - stretch hood

Hood reference: R50 SHT 1380X880 130MU TERCA UV2 - Aldoplastic Thickness [µm]: 130

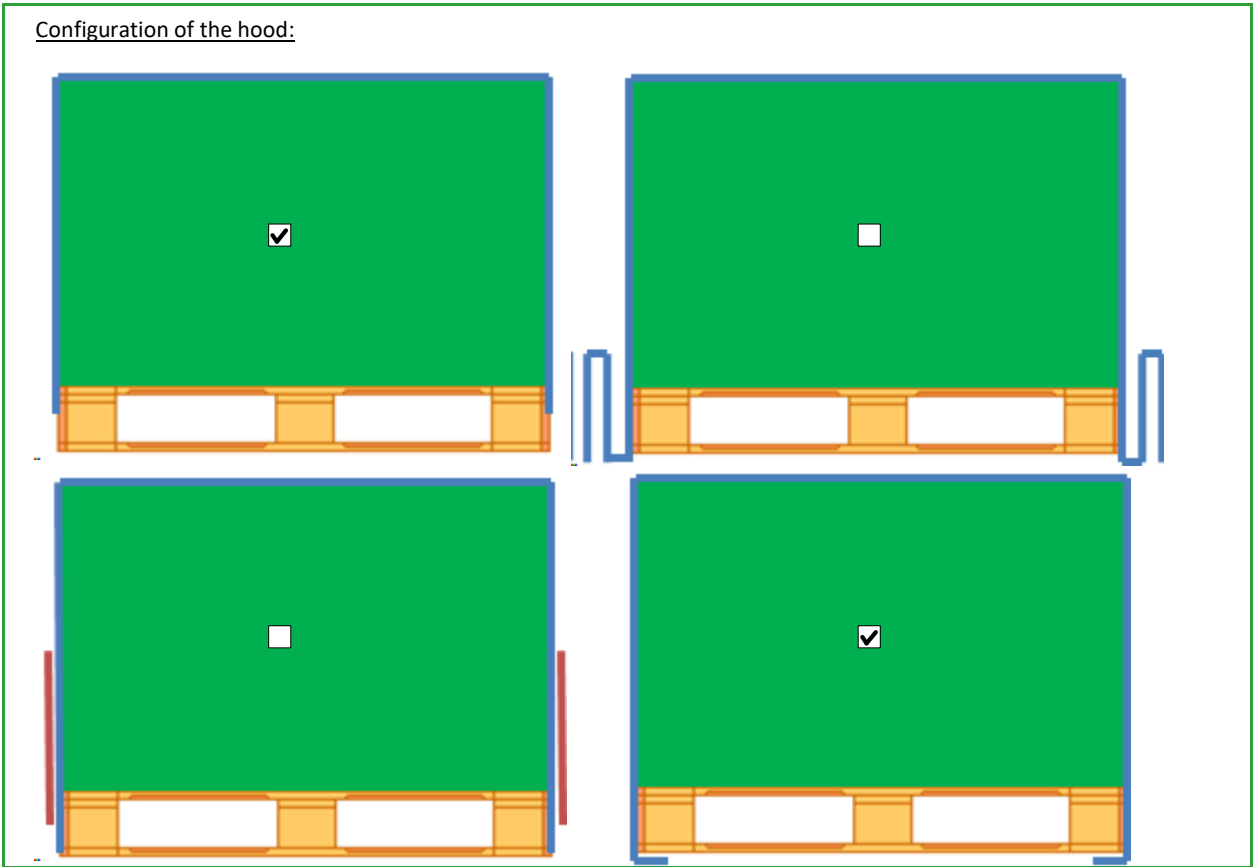
Hood Type: Shrink hood Initial dimensions [mm]x[mm]: 1380x 880

Vertical stretch [%]: Hor. stretch long side [%]: Hor. stretch short side [%]:

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Configuration of the hood:



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0

**Individual tests**

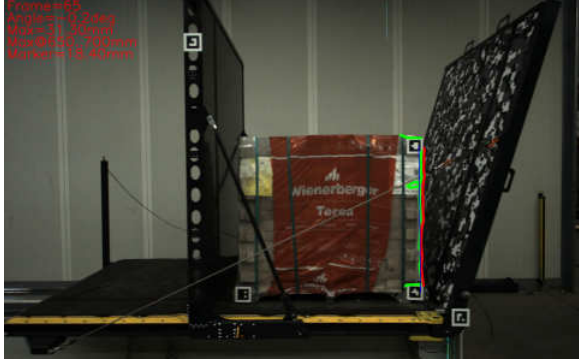
Acceleration: 0.5    Direction: LP    **EUMOS40509 compliant?**

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**BEFORE THE TEST**




**DURING THE TEST (max deformation)**

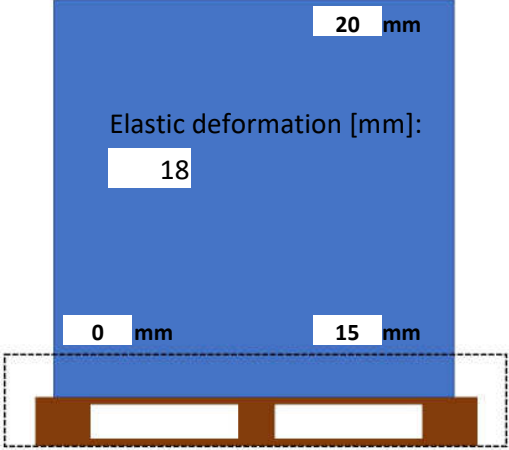


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**AFTER THE TEST**



**DEFORMATIONS**

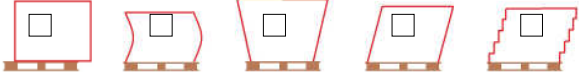


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Testing history sample:  
Ambient conditions

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Comment:  
The pallet is behaving shape stable

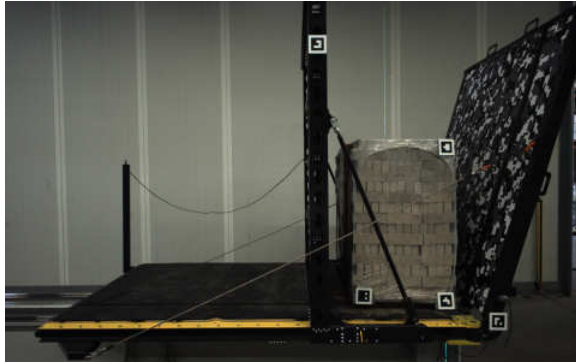


Reference 20230803/002  
Company: Wienerberger nv

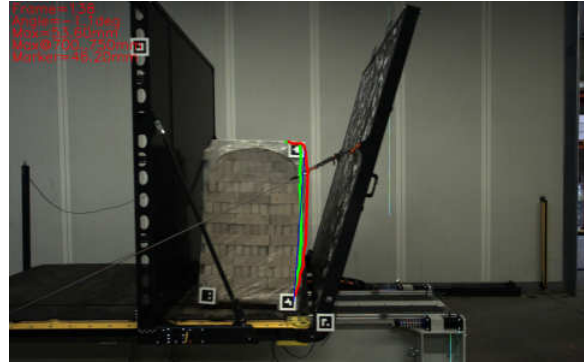
Author Bouckaert Laure Contact: Danny Wallaert Date: 3/08/2023  
LU name: WNRBRGR 1200x650 BEE ECOWF 210x65x50 (15x) (996pcs)

Acceleration: 0.5 Direction: BP **EUMOS40509 compliant?**

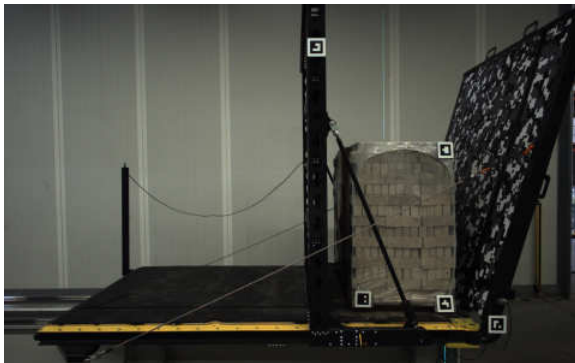
**BEFORE THE TEST**



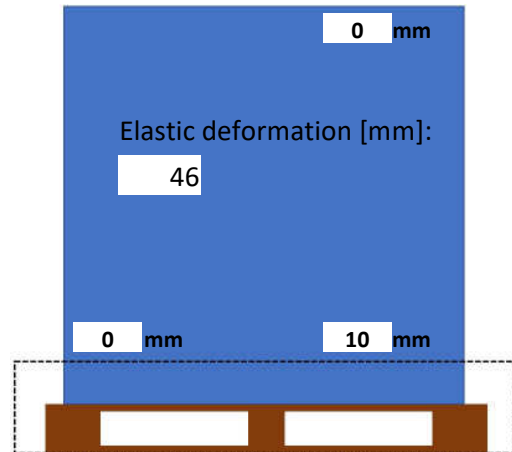
**DURING THE TEST (max deformation)**



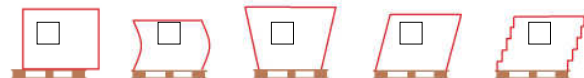
**AFTER THE TEST**



**DEFORMATIONS**



Testing history sample:  
Ambient conditions



Comment:

The pallet is behaving shape stable