

1. Ref. transp. packaging unit: Wienerberger 960x930 TRN 188x88x48 (900 pcs)
2. Ref. measuring report: Wienerberger nv - 20250109005
3. Company: Wienerberger nv
4. Performed test: Acceleration test following EUMOS40509:2020
5. Test date: 9/01/2025
6. Test institute and responsible: ESTL nv, Prikkelhoek 24, 9800 Deinze, Belgium - Bouckaert Laurens

7. Description of the tested load unit:

A 960x930 wooden pallet containing 18 layers of bricks. Each pallet contains 900 bricks with the following dimensions: 188x88x48.

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: Custom 960x930 # Layers: 18

Height [mm]: 1050 Weight[kg]: 1238

Length - LP [mm]: 960

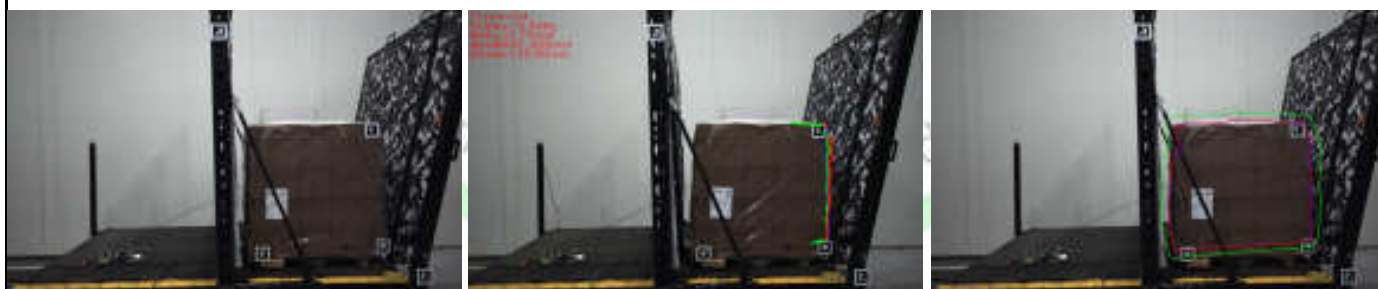
Width - BP [mm]: 930



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, Prielkelhoek 24, 9800 Deinze, Belgium
Test responsible: Bouckaert Laurens
Test equipment: MJL 2000 acceleration bench
Test date: 9/01/2025
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 20250109/005

Author Bouckaert Laure

Contact: Danny Wallaert

Date: 9/01/2025

Company: Wienerberger nv

LU name: Wienerberger 960x930 TRN 188x88x48 (900 pcs)

Test specifications

Customer:	Wienerberger nv	Contact:	Danny Wallaert
Test facility:	ESTL nv, Prikkelhoek 24, 9800 Deinze, Belgium	Date	9/01/2025
Test engineer:	Bouckaert Laurens	Temperature [°C]:	20 Rel. humidity [%]: 48
Load unit:	Wienerberger 960x930 TRN 188x88x48 (900 pcs)		

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.

- Wienerberger Doornik/Tournai
- Shrink hood : 50% PCR - 1110x1090 130µm - Aldoplastic
- Note that stringer dimensions cause big risk for 'rolling' of the beams.

Pallet specifications

Name of the pallet: Wienerberger 960x930 TRN 188x88x48 (900 pcs)

A 960x930 wooden pallet containing 18 layers of bricks. Each pallet contains 900 bricks with the following dimensions: 188x88x48.

Pallet type: Custom 960x930

Stacking pattern: Interlocked

Layers: 18 **Cases per layer:** 50

Tie sheet between load and pallet: ☐

Tie sheet on top of layer(s):



LP [mm]: 960 **BP[mm]:** 930 **Weight [kg]:** 1238 **Height [mm]:** 1050



Reference 20250109/005

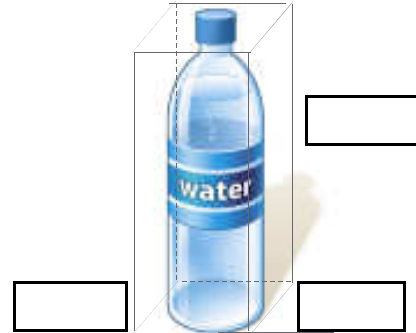
Author Bouckaert Laure

Contact: Danny Wallaert

Date: 9/01/2025

Company: Wienerberger nv

LU name: Wienerberger 960x930 TRN 188x88x48 (900 pcs)

Primary packagingName.: /Type:Description:Secondary packagingName: /Theor. head space [mm]:

0

Gross weight [kg]:

0

0

Compression force [N]:

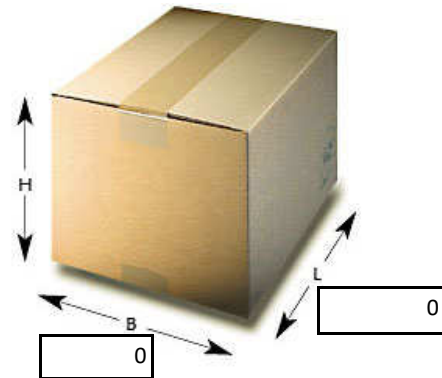
0

Fluting type:Prim units per sec. unit:

0

Description:

/

Additional packaging

/

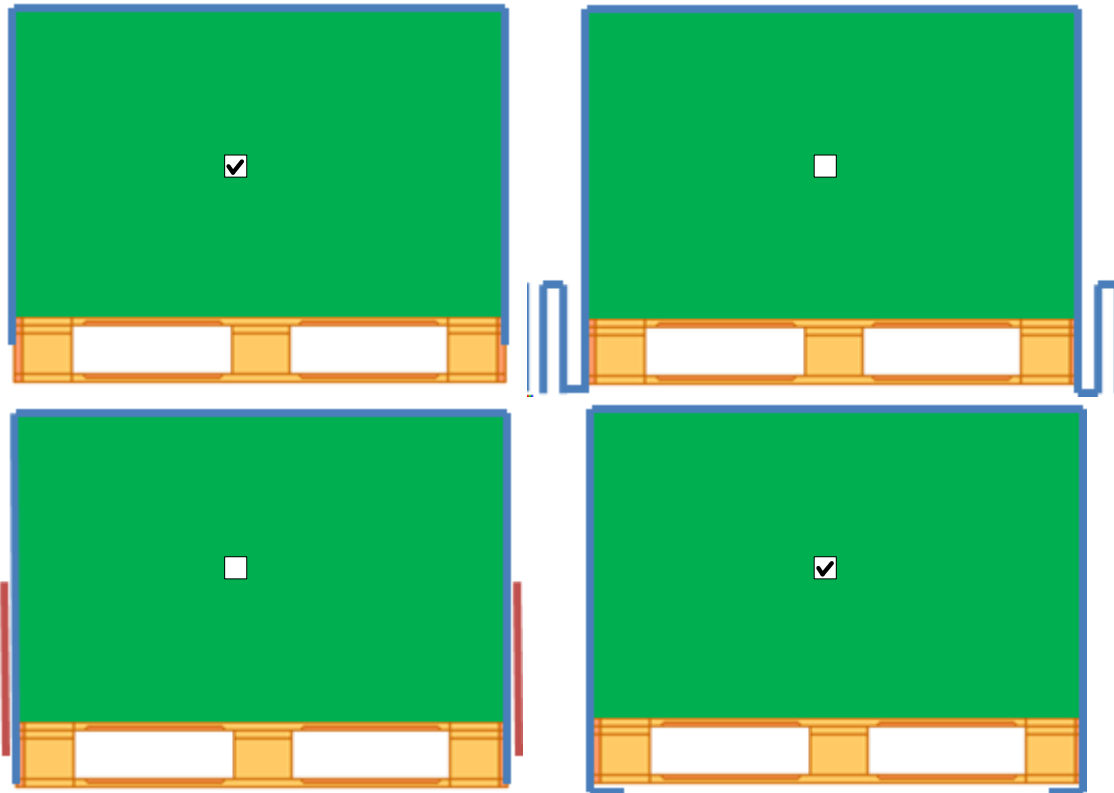
Tertiary packaging - stretch hoodHood reference: 1226 R50 SHH 1110x1090 130MU UV2 BARRY BLANC Thickness [µm]: 130Hood Type: Shrink hoodInitial dimensions [mm]x[mm]: xVertical stretch [%]:Hor. stretch long side [%]:Hor. stretch short side [%]:

Reference 20250109/005
Company: Wienerberger nv

Author Bouckaert Laure **Contact:** Danny Wallaert
LU name: Wienerberger 960x930 TRN 188x88x48 (900 pcs)

Date: 9/01/2025

Configuration of the hood:



Reference20250109/005

AuthorBouckaert Laure

ContactDanny Wallaert

Date9/01/2025

CompanyWienerberger nv

LU nameWienerberger 960x930 TRN 188x88x48 (900 pcs)

-1

Individual tests

Acceleration:0.5

Direction:BP

EUMOS40509 compliant?☒

BEFORE THE TEST



DURING THE TEST (max deformation)



AFTER THE TEST



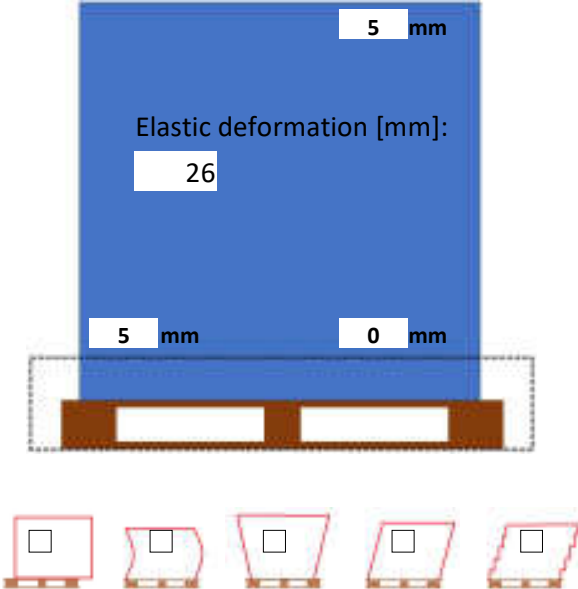
DEFORMATIONS

5mm

Elastic deformation [mm]:

26

5mm0mm



Testing history sample:

Ambient conditions

Comment:

The pallet is behaving shape stable

ESTL nv - wafelstraat 46 -8540 Deerlijk – Belgium - ☎ 0032 (0) 56 77 86 00 - 📠 0032 (0) 56 95 81 43

✉ info@estl.be – 🌐 www.estl.be – BE0818.634.666

Reference 20250109/005
Company: Wienerberger nv

Author Bouckaert Laure **Contact:** Danny Wallaert
LU name: Wienerberger 960x930 TRN 188x88x48 (900 pcs)

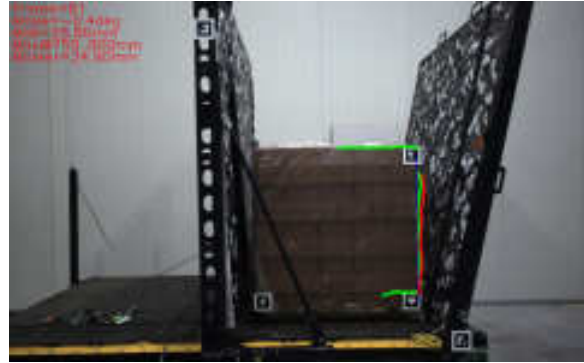
Date: 9/01/2025

Acceleration: 0.5 Direction: LP EUMOS40509 compliant? ☒

BEFORE THE TEST



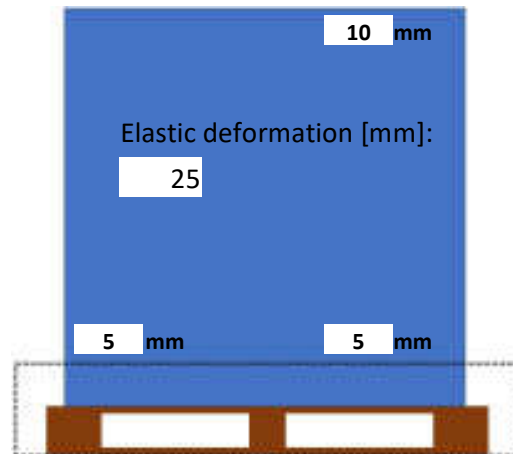
DURING THE TEST (max deformation)



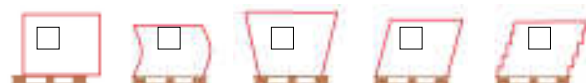
AFTER THE TEST



DEFORMATIONS



Testing history sample:
Ambient conditions



Comment:

The pallet is behaving shape stable