

1. Ref. transp. packaging unit: Wienerberger 1020x635 LAN 215x102x65 471pcs
2. Ref. measuring report: Wienerberger nv - 20200901009
3. Company: Wienerberger nv
4. Performed test: Acceleration test following EUMOS40509:2020
5. Test date: 1/09/2020
6. Test institute and responsible: ESTL nv, Wafelstraat 46, 8540 Deerlijk, Belgium - Dendauw Jelle

7. Description of the tested load unit:

A wooden 1020x635 pallet containing several layers. In total there are 471 bricks LAN 215x102x65 on the pallet. 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: 1020x635 # Layers: 11

Height [mm]: 1175 Weight[kg]: 1040

Length - LP [mm]: 1020

Width - BP [mm]: 635



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

9. Test conditions: Relative humidity: 50% - 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 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



10b. Conclusion BP-direction:

The tested load unit is 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: 1/09/2020
People attending: Jelle Dendauw (ESTL), Danny Wallaert (Wienerberger)

Temperature [°C]: 20
Rel. humidity [%]: 65
Load conditions: Sliding of the load unit is prevented mechanically.
Attached documents to the report: /

Reference 20200901/009

Author Dendauw Jelle

Contact: Danny Wallaert

Date: 1/09/2020

Company: Wienerberger nv

LU name: Wienerberger 1020x635 LAN 215x102x65 471pcs

Test specifications

Customer:	Wienerberger nv	Contact:	Danny Wallaert
Test facility:	ESTL nv, Wafelstraat 46, 8540 Deerlijk, Belgium	Date	1/09/2020
Test engineer:	Dendauw Jelle	Temperature [°C]:	20 Rel. humidity [%]: 50
Load unit:	Wienerberger 1020x635 LAN 215x102x65 471pcs		

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.

Remarks:

- 2 straps in the LP-direction
- There should not be any tears at the bottom of the shrink hood

Pallet specifications

Name of the pallet: Wienerberger 1020x635 LAN 215x102x65 471pcs

A wooden 1020x635 pallet containing several layers. In total there are 471 bricks LAN 215x102x65 on the pallet. There are 2 vertical straps in the LP-direction.

Pallet type: 1020x635

Stacking pattern: Interlocked

Layers: 11 **Cases per layer:**

Tie sheet between load and pallet: ☐

Tie sheet on top of layer(s):



LP [mm]: 1020 **BP[mm]:** 635 **Weight [kg]:** 1040 **Height [mm]:** 1175



Reference 20200901/009

Author Dendauw Jelle

Contact: Danny Wallaert

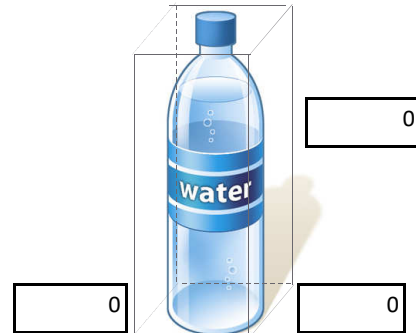
Date: 1/09/2020

Company: Wienerberger nv

LU name: Wienerberger 1020x635 LAN 215x102x65 471pcs

Primary packagingName: /Type:Description:

/

Secondary packagingName: /Theor. head space [mm]:

0

Gross weight [kg]:

0

0

Compression force [N]:

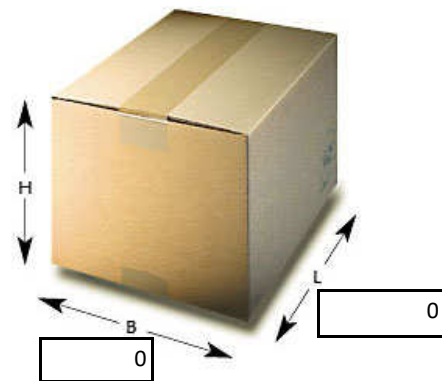
0

Fluting type:Prim units per sec. unit:

0

Description:

/

Additional packaging

/

Tertiary packaging - stretch hoodHood reference: SHHSThickness [µm]: 125Hood Type: Shrink hoodInitial dimensions [mm]x[mm]: 1200x 1000Vertical stretch [%]:Hor. stretch long side [%]:Hor. stretch short side [%]:



Packaging



Type Approval



Load Securing



Engineering

Reference 20200901/009

Company: Wienerberger nv

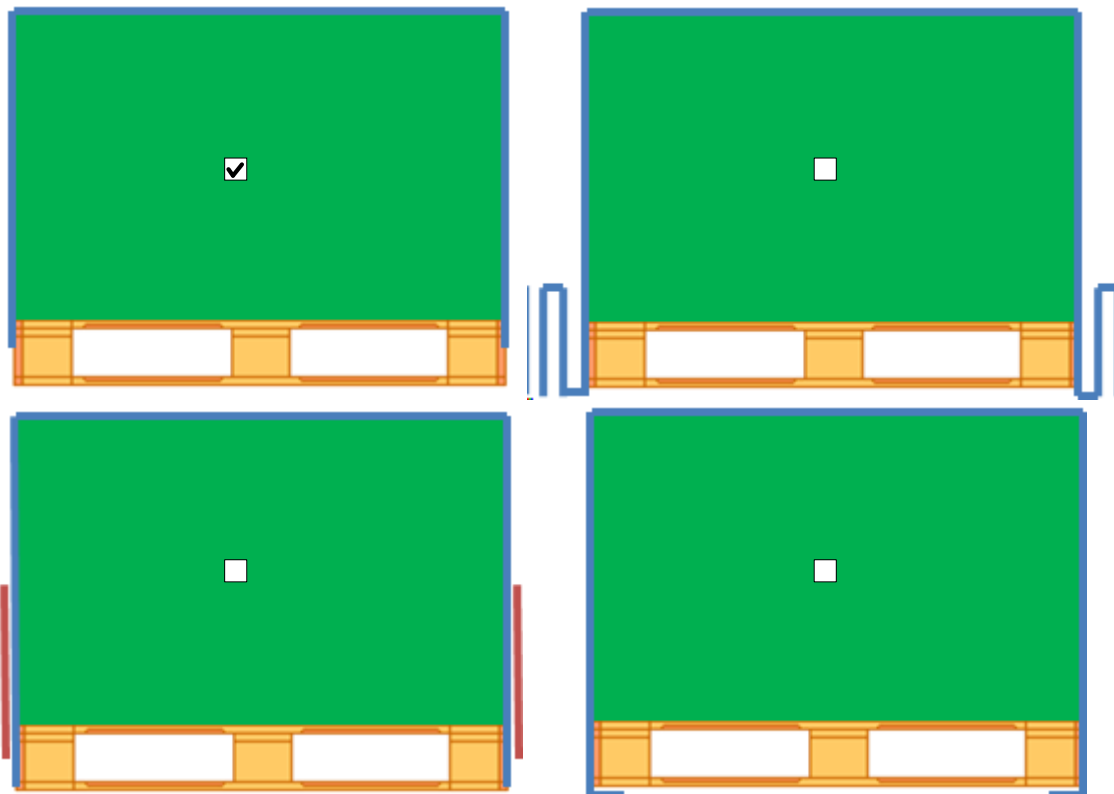
Author Dendauw Jelle

Contact: Danny Wallaert

Date: 1/09/2020

LU name: Wienerberger 1020x635 LAN 215x102x65 471pcs

Configuration of the hood:



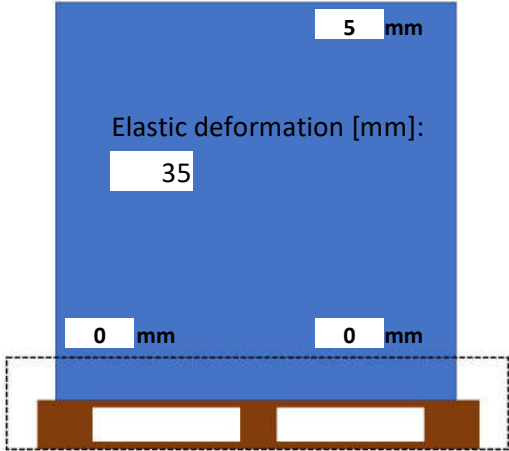
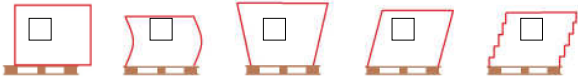
Reference 20200901/009
Company: Wienerberger nv

Author Dendauw Jelle Contact: Danny Wallaert
LU name: Wienerberger 1020x635 LAN 215x102x65 471pcs

Date: 1/09/2020

0

Individual tests

Acceleration: 0,5 Direction: LP EUMOS40509 compliant? ☒	
BEFORE THE TEST 	DURING THE TEST (max deformation) 
AFTER THE TEST 	DEFORMATIONS  
Testing history sample: Ambient condition.	
Comment: The pallet is behaving shape stable.	



Reference 20200901/009

Author Dendauw Jelle

Contact: Danny Wallaert

Date: 1/09/2020

Company: Wienerberger nv

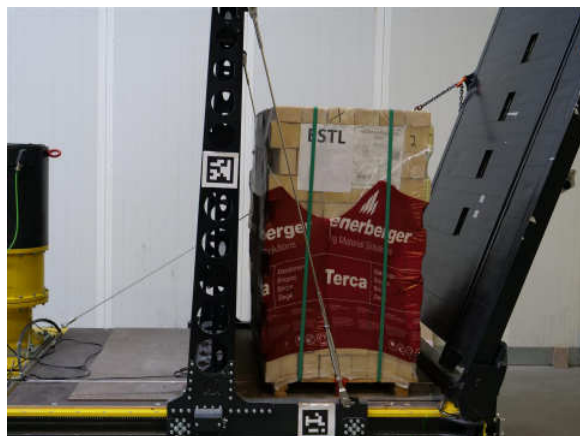
LU name: Wienerberger 1020x635 LAN 215x102x65 471pcs

Acceleration: 0,5

Direction: BP

EUMOS40509 compliant? ☒

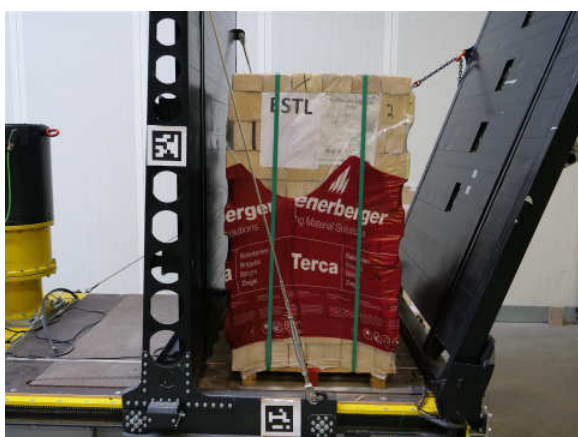
BEFORE THE TEST



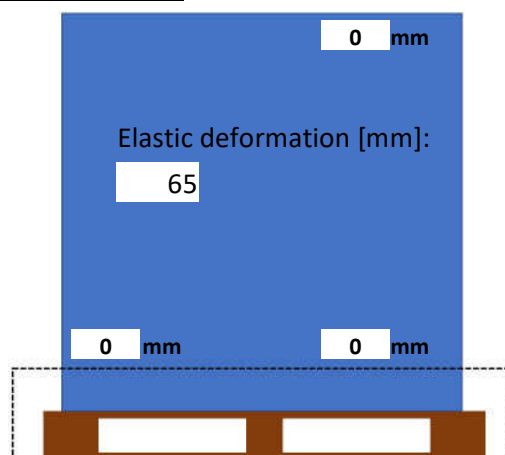
DURING THE TEST (max deformation)



AFTER THE TEST

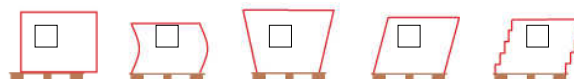


DEFORMATIONS



Testing history sample:

Ambient conditions



Comment:

The pallet is behaving shape stable.