

C € DECLARATION OF PERFORMANCE

According to the regulation (EU) Nr. 305 of the European Parliaments and of the Council of 09. March 2011

No.: 0734/11-17

1. Type:

OSB/3, thickness >10 <18 mm

2 Recipe no.:

Rec. 734

Structural components for use under dry and humid conditions, type OSB/3 acc. to EN 300:2006

4. Trade name:

Intended use:

3.

EGGER OSB 3 E0

Manufacturer:
EGGER Holzwerkstoffe Wismar
GmbH & Co. KG
Am Haffeld 1
23970 Wismar
Germany

- 5. not applicable
- 6. System of assessment and verification of constancy of performance acc. to Annex V of regulation (EU) No 305/2011:

System 2+

7. Construction product covered by:

EN 13986:2004

Notified body of the EU:
0765
Wilhelm-Klauditz-Institut (WKI)
Bienroder Weg 54 e
38108 Brunswick
Germany,

performed the initial inspection oft the manufacturing plant and of the factory production control and the continuous surveillance, assessment and evaluation of factory production control acc. to EN 13986:prA1_draftxx System 2+ and issued the certificate of conformity of the factory production control:

353

8. not applicable



9. Declared Performance:

| Panel direction O° (major axis) 90° (minor axis) | Essential characteristics | Performance | | | Harmonised technical specification |
|---|--|-------------------------|----------|---------------------------------------|------------------------------------|
| Strength (N/mm²) | Thickness range | >10 <18 mm | | | |
| Sending 16,4 8,2 -Compression 15,4 12,7 -Panel Shear 6,8 6,8 -Panel Shear 1,0 1,0 - | Panel direction | 0° (major a | xis) 90° | (minor axis) | |
| Compression 15,4 12,7 | Strength (N/mm²) | | | | |
| -Tension 9,4 7,0 -Panel Shear 6,8 6,8 -Panel Shear 1,0 1,0 -Panel Shear 1, | - Bending | 16,4 | | 8,2 | |
| Panel Shear Planar Shear 1,0 1,0 | - Compression | 15,4 | | 12,7 | |
| Planar Shear 1,0 1,0 1,0 | - Tension | 9,4 | | 7,0 | |
| Seed | - Panel Shear | 6,8 | | 6,8 | |
| Bending 4930 1980 Compression 3800 3000 Fension 3800 3000 Fension 3800 1080 Fension 1080 1080 Fensity ≥600 kg/m³ (determined) Punching shear (N/mm²) NPD Reaction to fire D-s2,40 Impact resistance Pass Water vapour permeability (dry/wet) 200/150 Air permeability NPD Release of formaldehyde E 1 Release of FCP √3ppm EN 13986:2004 Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 Thermal Conductivity 0,13 W/m*k⟩ Racking resistance NPD Durability NPD Durability NPD Durability NPD Fension NPD NPD Durability NPD NPD Durability NPD NPD Durability NPD NPD Fension NPD NPD NPD NPD Fension NPD NPD NPD NPD NPD NPD Fension NPD NP | - Planar Shear | 1,0 | | 1,0 | |
| Compression 3800 3000 - Tension 3800 3000 - Panel Shear 1080 1080 - Planar Shear 50 50 - Punching shear (N/mm²) NPD - Reaction to fire D-52,d0 - Impact resistance Pass - Release of formaldehyde E 1 - Release of PCP ⟨3ppm EN - Airborne sound insulation (surface mass) - Sound absorption 0,10 / 0,25 - Thermal Conductivity NPD - Reacking resistance NPD - Internal Bond NPD - Swelling in thickness 15 % - Moisture resistance Option 1 0,15 N7mm² - Mechanica SC 1 EN 1995-1-1, EN 1995-1-1, Tab. 3.2 - Biological SC 25 mm - Performance Floor Load category thickness C-c-span - Performance Floor Load category thickness C-c-span | Mean Stiffness (N/mm²) | | | | |
| Tension 3800 3000 - Panel Shear 1080 1080 - Panel Shear 50 50 - Panel Shear (N/mm²) NPD - Reaction to fire D-52,do - Impact resistance Pass - Water vapour permeability (dry/wet) 200/150 - Air permeability NPD - Release of formaldehyde E 1 - Release of PCP (3) ppm EN 13986:2004 - Airborne sound insulation (surface mass) NPD - Sound absorption 0,10 / 0,25 - Thermal Conductivity 0,13 W/(m*K) - Racking resistance NPD - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % - Moisture resistance Option 1 0,15 N7mm² - Mechanical E N 1995-1-1, Tab. 3.2 - Biological Use class 2 - Performance Floor Load category thickness C-c-span - EN 12871, OSB 0° major axis A ≥ 18 mm ≤625 mm | - Bending | 4930 | | 1980 | |
| Panel Shear 1080 1080 50 50 50 50 50 50 50 | - Compression | 3800 | | 3000 | |
| Planar Shear 50 | - Tension | 3800 | | 3000 | |
| Density ≥600 kg/m² (determined) NPD | - Panel Shear | 1080 | | 1080 | |
| Punching shear (N/mm²) NPD Reaction to fire D-s2,d0 Impact resistance Pass Water vapour permeability (dry/wet) 200/150 Air permeability NPD Release of formaldehyde E 1 Release of PCP 3ppm Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 Thermal Conductivity 0,13 W/(m*k) Racking resistance NPD Embedment strength NPD Durability - Internal Bond - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, Tab. 3.2 To 20 Tab. 3.1 Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness C-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | - Planar Shear | 50 | | 50 | |
| Reaction to fire D-s2,d0 Impact resistance Pass Water vapour permeability (dry/wet) 200/150 Air permeability NPD Release of formaldehyde E1 Release of PCP (3ppm) EN 13986:2004 Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 THEM 13986:2004 Thermal Conductivity 0,13 W/(m*K) Reading resistance Embedment strength NPD Durability - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 - Swelling in thickness - Swelling in thicknes< | Density | ≥600 kg/m³ (determined) | | | |
| Impact resistance Pass Water vapour permeability (dry/wet) 200/150 Air permeability NPD Release of formaldehyde E 1 Release of PCP ⟨3ppm EN 13986:2004 Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 Tenal Conductivity NPD Racking resistance NPD NPD Embedment strength NPD NPD Durability - Internal Bond 0,32 N/mm² Airborne - Swelling in thickness 15 % Moisture resistance Option 1 Airborne Kmod = kdef= Kdef= SC 1 EN 1995-1-1, EN 1995-1-1, EN 1995-1-1, Tab. 3.2 Tab. 3.1 Tab. 3.2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Punching shear (N/mm²) | NPD | | | |
| Water vapour permeability (dry/wet) 200/150 Air permeability NPD Release of formaldehyde E 1 Release of PCP ⟨3ppm EN 13986:2004 Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 Onder of the property of the pro | Reaction to fire | D-s2,d0 | | | |
| Air permeability NPD Release of formaldehyde E 1 Release of PCP ⟨3ppm EN 13986:2004 Airborne sound insulation (surface mass) NPD EN 13986:2004 Sound absorption 0,10 / 0,25 O,13 W/(m*k) O,13 W/(m*k) O,13 W/(m*k) O,13 W/(m*k) O,13 W/(m*k) O,15 W/(m* | Impact resistance | Pass | | | |
| Release of FOP C 3ppm EN 13986:2004 Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 Thermal Conductivity 0,13 W/(m*K) Racking resistance NPD Embedment strength NPD Durability - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 √,15 N/7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, SC 2 EN 1995-1-1, Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Water vapour permeability (dry/wet) | 200/150 | | | |
| Release of PCP ⟨3ppm EN 13986:2004 Airborne sound insulation (surface mass) NPD EN 13986:2004 Sound absorption 0,10 / 0,25 On 10 / 0,25 <th>Air permeability</th> <th colspan="3">NPD</th> <th></th> | Air permeability | NPD | | | |
| Airborne sound insulation (surface mass) NPD Sound absorption 0,10 / 0,25 Thermal Conductivity 0,13 W/(m*K) Racking resistance NPD Embedment strength NPD Durability - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, EN 1995-1-1, Tab. 3.2 SC 2 Tab. 3.1 Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Release of formaldehyde | E 1 | | | |
| Sound absorption $0,10 / 0,25$ Thermal Conductivity $0,13 \text{ W/(m*K)}$ Racking resistanceNPDEmbedment strengthNPDDurability- Internal Bond $0,32 \text{ N/mm}^2$ - Swelling in thickness 15% Moisture resistance Option 1 $0,15 \text{ N/mm}^2$ - Mechanicalkmod = kdef = SC 1 EN 1995-1-1, SC 2 Tab. 3.1 Tab. 3.2- BiologicalUse class 2Performance FloorLoad category thicknessc-c-span sectors and sectors are sectors and sectors and sectors and sectors and sectors and sectors are sectors and sectors are sectors and sectors and sectors are sectors and sectors are sectors and sectors and sectors are sectors are sectors and sectors are sectors are sectors and sectors are sectors and sectors are sectors are sectors and sectors are sectors and sectors are sectors are sectors are sectors and sectors are sectors are sectors and sectors are sectors are sectors and sec | Release of PCP | <3ppm | | | EN 13986:2004 |
| Thermal Conductivity 0,13 W/(m*K) Racking resistance NPD Embedment strength NPD Durability NPD - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = EN 1995-1-1, EN 1995-1-1, Tab. 3.1 SC 1 EN 1995-1-1, Tab. 3.1 Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Airborne sound insulation (surface mass) | NPD | | | |
| Racking resistance NPD Embedment strength NPD Durability NPD - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = EN 1995-1-1, EN 1995-1-1, EN 1995-1-1, Tab. 3.2 SC 1 EN 1995-1-1, EN 1995-1-1, Tab. 3.2 Verformance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Sound absorption | 0,10 / 0,25 | | | |
| Embedment strength NPD Durability - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, Tab. 3.1 EN 1995-1-1, Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Thermal Conductivity | 0,13 W/(m*K) | | | |
| Durability - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, Tab. 3.2 EN 1995-1-1, Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Racking resistance | NPD | | | |
| Durability - Internal Bond 0,32 N/mm² | Embedment strength | NPD | | | |
| - Internal Bond 0,32 N/mm² - Swelling in thickness 15 % Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, EN 1995-1-1, Tab. 3.2 SC 2 Tab. 3.1 Tab. 3.2 Performance Floor EN 12871, OSB 0° major axis Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | | | | | |
| - Swelling in thickness 15 % Moisture resistance Option 1 | - | 0.32 N/mm² | | | |
| Moisture resistance Option 1 0,15 N7mm² - Mechanical kmod = kdef = SC 1 EN 1995-1-1, EN 1995-1-1, Tab. 3.2 SC 2 Tab. 3.1 Tab. 3.2 - Biological Use class 2 Performance Floor EN 12871, OSB 0° major axis Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | | | | | |
| - Mechanical kmod = kdef = SC 1 | | | | | |
| SC 1 EN 1995-1-1, Tab. 3.2 Foliogical Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | | | | kdef= | |
| SC 2 Tab. 3.1 Tab. 3.2 - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | Mechanicat | SC 1 | - | - | |
| - Biological Use class 2 Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | | | | | |
| Performance Floor Load category thickness c-c-span EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | - Rinlogical | 302 | | . 45. 5.2 | |
| EN 12871, OSB 0° major axis A ≥18mm ≤625 mm | | Load category | | C-C-snan | |
| | | | • | · · · · · · · · · · · · · · · · · · · | |
| Performance Roof Load category thickness c-c-span | Performance Roof | Load category | | | |
| EN 12871, OSB 0° major axis A ≥12mm ≤625 mm | | | + | | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for any on behalf oft he manufacturer by:

Erich Macala

Managing Director Production

Managing Director Sales