



Declaration of Performance

According to the regulation (EU) No 305 of the European Parliaments and of the Council from 9th of March 2011

DoP Nr.: DoP003

Biofaser HB.H

| | |
|---|---|
| 1. Type: | Hardboard HB.H |
| 2. Trade Name: | Biofaser Hardboard |
| 3. Intended use: | Hardboard for non-load-bearing use in humid conditions |
| 4. Manufacturer | FunderMax GmbH Klagenfurter Straße 87-89 A-9300 Sankt Veit an der Glan Austria |
| 5. Construction product covered by: | EN 13986:2004+A1:2015 |
| 6. System of assessment and verification acc. to Annex V of the regulation (EU) No 305/2011: | System 4 |

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DVR 0385344
Firmenbuchnummer: 90081y
UID-Nr.: ATU 26130102
Landesgericht Klagenfurt

RBI Raiffeisen Bank International AG
IBAN Nr.: AT66 3100 0001 0033 2353
BIC: RZBAATWW

7. Declared Performance:

| Mechanical properties | Unit | Board thickness | | |
|---|----------------------|-----------------|---------------|-------|
| | [mm] | ≤ 3.5 | > 3.5 – 5.5 | > 5.5 |
| Internal Bound strength EN 13986 | [N/mm ²] | 0.60 | 0.60 | 0.30 |
| Internal Bound after boil test EN 13986 | [N/mm ²] | 0.30 | 0.30 | 0.25 |
| Bending strength EN 13986 | [N/mm ²] | 35 | 32 | 30 |
| Swelling in thickness, 24 h EN 13986 | [%] | 25 | 20 | 20 |
| Surface soundness EN 13986 | [N/mm ²] | | 0.7 | |
| Moisture content*1 EN 322 | [%] | | 4 - 9 | |
| Formaldehyde content EN ISO 12450-5 | [mg/100g] | | < 8 | |
| Formaldehyde content DIN EN 16516 | [ppm] | | < 0,1 | |
| Density | [kg/m ³] | | > 900 | |
| General tolerances | | | | |
| Thickness tolerance EN 622 | [mm] | ± 0,3 | ± 0,5 | ± 0,7 |
| Length and with tolerance EN 622 | [mm] | | ± 5.0 / ± 3.0 | |
| Squareness EN 622 | [mm/m] | | ≤ 2.0 | |
| Edge straightness tolerance EN 622 | [mm/m] | | ≤ 1.5 | |
| Tolerance on the mean density within a board EN 622 | [%] | | ± 10 | |

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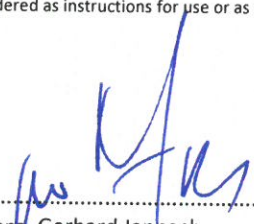
| Building physical properties | | | |
|--|-----------|--|-----------|
| Fire behavior category according EN 13986 (>3.5mm; and $\geq 900\text{kg/m}^3$) | | D-s2, d0 | |
| Water vapor diffusion resistance value EN 13986 | | μ moist | μ dry |
| Density > 900 kg/m ³ | | 25 | 35 |
| Water vapor diffusion resistance value *2 EN ISO 12572 | | 122 | |
| Thermal conductivity EN 13986 | | | |
| Density > 900 kg/m ³ | [W/(m*K)] | < 0.14 | |
| Sound absorption EN 13986 | | | |
| Frequency range 250 Hz - 500 Hz | | 0.10 | |
| Frequency range 1000 Hz - 2000 Hz | | 0.20 | |
| Biological durability | | | |
| EN 335-3 | | Hazard category 1 (without earth contact; dry 20°C/65% RLF) | |
| Air sound insulation | | | |
| EN 13986 | | R = 13 x lg (mA) + 14 (mA = board density [kg/m ²]) | |
| PCP content EN 13986 | | [ppm] | < 5 |

*1 at delivery
*2 determined by testing

Note:

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St. Veit / Glan 07.04.2020
(Place and Date)


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ppp. Gerhard Janhach
Vice President, Innovation- and Technology Management


.....
Marlen Streicher
Head of, Quality Management St. Veit/Glan

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