

FIBRAPAN HID IGN E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 05/11/2020

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | | |
|--|-----------------------|-------------------|----------------|----------|----------|
| | | | 10 - 12 | >12 - 19 | >19 - 22 |
| DENSITY (*) | EN 323 | kg/m ³ | 840/830 | 820/810 | 810/790 |
| INTERNAL BOND | EN 319 | N/mm ² | 0.80 | 0.75 | 0.75 |
| BENDING STRENGTH | EN 310 | N/mm ² | 26 | 24 | 22 |
| MODULUS OF ELASTICITY | EN 310 | N/mm ² | 2500 | 2400 | 2300 |
| THICKNESS SWELLING 24 H | EN 317 | % | 10 | 8 | 7 |
| DIMENSIONAL MOVEMENT LENGTH/WIDTH | EN 318 | % | 0.4 | 0.4 | 0.4 |
| DIMENSIONAL MOVEMENT THICKNESS | EN 318 | % | 6 | 6 | 6 |
| SURFACE SOUNDNESS | EN 311 | N/mm ² | >1.2 | >1.2 | >1.2 |
| SURFACE ABSORPTION (TWO FACES) | EN 382-1 | mm | >150 | >150 | >150 |
| MOISTURE CONTENT | EN 322 | % | 7+/-3 | 7+/-3 | 7+/-3 |
| GRIT CONTENT | ISO 3340 | % Weight | ≤ 0.05 | ≤ 0.05 | ≤ 0.05 |
| FORMALDEHYDE EMISSION | EN 717-1 | ppm | ≤ 0.05 | ≤ 0.05 | ≤ 0.05 |
| REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015 | EN 13501-1 | Class | B-s1,d0 | B-s1,d0 | B-s1,d0 |
| SWELLING IN THICKNESS AFTER CYCLIC TEST (V313) | EN 321 / EN 317 | % | 16 | 15 | 15 |
| INTERNAL BOND AFTER CYCLIC TEST (V313) | EN 321 / EN 319 | N/mm ² | 0,25 | 0,20 | 0,15 |
| SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ) | EN 13984:2004+A1:2015 | α | 0,10 | 0,10 | 0,10 |
| SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ) | EN 13984:2004+A1:2015 | α | 0,20 | 0,20 | 0,20 |
| THERMAL CONDUCTIVITY | EN 13984:2004+A1:2015 | W/ (m·K) | 0,15 | 0,14 | 0,14 |
| AIRBORNE SOUND INSULATION (SURFACE MASS) (R) | EN 13986:2004+A1:2015 | db | 26 | 28 | 30 |
| WATER VAPOUR PERMEABILITY DRY CUP | EN 13986:2004+A1:2015 | μ | 32 | 31 | 30 |
| | | | 21 | 20 | 20 |
| BIOLOGICAL DURABILITY USE | EN 335 | Class of use | 1 y 2 | 1 y 2 | 1 y 2 |
| CONTENT OF PENTACHLOROPHENOL (PCP) | EN 13986:2004+A1:2015 | ppm | < 5 | < 5 | < 5 |

TOLERANCE ON NOMINAL DIMENSIONS

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | | |
|-------------------|-------------|-------|--------------------------|--------------------------|--------------------------|
| | | | 10 - 12 | >12 - 19 | >19 - 22 |
| THICKNESS | EN 324-1 | mm | +/-0.2 | +/-0.2 | +/-0.3 |
| | | | +/- 2 | +/- 2 | +/- 2 |
| LENGTH/WIDTH | EN-324-1 | mm | mm/m, máx +/- 5 mm | mm/m, máx +/- 5 mm | mm/m, máx +/- 5 mm |
| SQUARENESS | EN 324-2 | mm/m | +/- 2 | +/- 2 | +/- 2 |
| EDGE STRAIGHTNESS | EN-324-2 | mm/m | +/-1,5 | +/-1,5 | +/-1,5 |

(*) VALUES TO BE CONSIDERED AS A ROUGH GUIDE ONLY.

These physical-mechanical values improve/comply with those established in EN 622-5:2009 European Standard, Table 4, Option 1. Requirements for boards for general use in humid conditions (Type MDF.H).

FIBRAPAN HID IGN E-Z holds CE certificate of constancy of performance nr 0099/CPR/A65/0034 issued by AENOR

Link to download:

<https://drive.google.com/file/d/0B-Xe1750UJbXMzVmekYwVVRvOXc/view?usp=sharing>

(!) Reaction to fire classification report and field of application, link to report:

<https://drive.google.com/file/d/0B-Xe1750UJbXNk81WIROTEM5VTQ/view?usp=sharing>

Individual test reports available under request.

FIBRAPAN HID IGN E-Z is a low formaldehyde emission product E05 (≤ 0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 622-1 European Standard.

The quality of FIBRAPAN HID IGN E-Z is endorsed by AITIM Quality Labels. Link to certificate:

<https://drive.google.com/file/d/0B-Xe1750UJbXMDgxQVUxOVFXN1E/view?usp=sharing>

FIBRAPAN HID IGN E-Z is US EPA TSCA TITLE VI and CARB phase 2 certified by TPC-15.

Link to EPA certificate: <https://drive.google.com/file/d/0B-Xe1750UJbXMWJNRXUxYTFzS1E/view?usp=sharing>

Link to CARB P2 certificate: <https://drive.google.com/file/d/0B-Xe1750UJbXMWJNRXUxYTFzS1E/view?usp=sharing>

Link to quarterly atestation:

<https://drive.google.com/file/d/0B-Xe1750UJbXcIzJN0JnYmQxYIE/view?usp=sharing>

(SELECT)

Non dangerous product. Adequate ergonomic techniques and IPEs must be used when handling. Dust generated in cutting, sanding, drawmilling and other processes must be extracted from the working environment with the usual procedures in the wood industry as industrial vacuum systems and IPEs use must be observed according to law.