

FIBRAPAN H UL E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 02/21/2022

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | |
|--|-----------------------|-------------------|----------------|----------|
| | | | 16 - 19 | >19 - 25 |
| DENSITY (*) | EN 323 | kg/m ³ | 550 | 550 |
| INTERNAL BOND | EN 319 | N/mm ² | 0.45 | 0.45 |
| BENDING STRENGTH | EN 310 | N/mm ² | 18 | 16 |
| MODULUS OF ELASTICITY | EN 310 | N/mm ² | 1600 | 1500 |
| THICKNESS SWELLING 24 H | EN 317 | % | 13 | 12 |
| MOISTURE CONTENT | EN 322 | % | 7+/-3 | 7+/-3 |
| FORMALDEHYDE EMISSION | EN 717-1 | ppm | ≤ 0.05 | ≤ 0.05 |
| REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015 | EN 13501-1 | Class | E ** | E ** |
| SWELLING IN THICKNESS AFTER CYCLIC TEST (V313) | EN 321 / EN 317 | % | 15 | 15 |
| INTERNAL BOND AFTER CYCLIC TEST (V313) | EN 321 / EN 319 | N/mm ² | 0.20 | 0.15 |
| SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ) | EN 13984:2004+A1:2015 | α | 0.10 | 0.10 |
| SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ) | EN 13984:2004+A1:2015 | α | 0.20 | 0.20 |
| THERMAL CONDUCTIVITY | EN 13984:2004+A1:2015 | W/ (m·K) | 0.09 | 0.09 |
| AIRBORNE SOUND INSULATION (SURFACE MASS) (R) | EN 13986:2004+A1:2015 | db | 26 | 29 |
| WATER VAPOUR PERMEABILITY DRY CUP | EN 13986:2004+A1:2015 | μ | 18 | 18 |
| WATER VAPOUR PERMEABILITY WET CUP | EN 13986:2004+A1:2015 | μ | 10 | 10 |
| BIOLOGICAL DURABILITY USE | EN 335 | Class of use | 1 & 2 | 1 & 2 |
| CONTENT OF PENTACHLOROPHENOL (PCP) | EN 13986:2004+A1:2015 | ppm | < 5 | < 5 |

TOLERANCE ON NOMINAL DIMENSIONS

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | |
|-------------------|-------------|-------|--------------------|--------------------|
| | | | 16 - 19 | >19 - 25 |
| THICKNESS | EN 324-1 | mm | +/-0.3 | +/-0.3 |
| LENGTH/WIDTH | EN-324-1 | mm | +/- 2 | +/- 2 |
| | | | mm/m, máx +/- 5 mm | mm/m, máx +/- 5 mm |
| SQUARENESS | EN 324-2 | mm/m | +/- 2 | +/- 2 |
| EDGE STRAIGHTNESS | EN-324-2 | mm/m | +/-1,5 | +/-1,5 |

(*) +/- 5 %.

(**) Commission Decision 2007/348/CE.

These physical-mechanical values improve/comply with those established in EN 622-5:2009 European Standard, Table 8, Option 1. Requirements for boards for general use in humid conditions (Type L-MDF.H).

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

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.