

## FIBRANOR PG

### TECHNICAL DATA-AVERAGE VALUES

Rev: 23/01/2018

| PROPERTIES                                        | TEST METHOD           | UNITS        | THICKNESSES mm |
|---------------------------------------------------|-----------------------|--------------|----------------|
|                                                   |                       |              | >4 a 6         |
| DENSITY (*)                                       | EN 323                | kg/m3        | 760            |
| INTERNAL BOND                                     | EN 319                | N/mm2        | 0,65           |
| BENDING STRENGTH                                  | EN 310                | N/mm2        | 23             |
| MODULUS OF ELASTICITY                             | EN 310                | N/mm2        | 2700           |
| THICKNESS SWELLING 24 H                           | EN 317                | %            | 30             |
| DIMENSIONAL MOVEMENT LENGTH/WIDTH                 | EN 318                | %            | 0,4            |
| DIMENSIONAL MOVEMENT TICKNESS                     | EN 318                | %            | 10             |
| SURFACE SOUNDNESS                                 | EN 311                | N/mm2        | >1,2           |
| SURFACE ABSORPTION (TWO FACES)                    | EN 382-1              | mm           | >150           |
| MOISTURE CONTENT                                  | EN 322                | %            | 7+/-3          |
| GRIT CONTENT                                      | ISO 3340              | % Weight     | ≤ 0,05         |
| FORMALDEHYDE CONTENT                              | EN ISO 12460-5        | mg/100 g     | ≤ 8            |
| REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I    | EN 13501-1            | Class        | E (**)         |
| SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)   | EN 13984:2004+A1:2015 | α            | 0.10           |
| SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ) | EN 13984:2004+A1:2015 | α            | 0.20           |
| THERMAL CONDUCTIVITY                              | EN 13984:2004+A1:2015 | W/ (m·K)     | 0.13           |
| AIRBORNE SOUND INSULATION (SURFACE MASS) (R)      | EN 13986:2004+A1:2015 | db           | 22             |
| WATER VAPOUR PERMEABILITY DRY CUP                 | EN 13986:2004+A1:2015 | μ            | 28             |
| WATER VAPOUR PERMEABILITY WET CUP                 | EN 13986:2004+A1:2015 | μ            | 18             |
| BIOLOGICAL DURABILITY USE                         | EN 13986:2004+A1:2015 | Class of use | 1              |
| CONTENT OF PENTACHLOROPHENOL (PCP)                | EN 13986:2004+A1:2015 | %            | < 5            |

### TOLERANCE ON NOMINAL DIMENSIONS

| PROPERTIES        | TEST METHOD | UNITS | THICKNESSES mm              |
|-------------------|-------------|-------|-----------------------------|
|                   |             |       | >4 a 6                      |
| THICKNESS         | EN 324-1    | mm    | +/- 0.15                    |
| LENGTH/WIDTH      | EN-324-1    | mm    | +/-2<br>mm/m,<br>máx<br>5mm |
| SQUARENESS        | EN 324-2    | mm/m  | +/- 2,0                     |
| EDGE STRAIGHTNESS | EN-324-2    | mm/m  | +/- 1,5                     |

(\*) Values to be considered as a rough guide only.

(\*\*) Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 3. General requirements for boards to be used in dry conditions.

FIBRANOR PG meet Class E1 requirements (analysed according to EN ISO 12460-5) as defined in EN 622-1:2003 European Standard.

(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.