

FIBRACOLOUR ANTRACITA E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 02/01/2020

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | | |
|--|-----------------------|--------------|-----------------|------------------|---------|
| | | | 10 - 12 | >12 - 19 | >19 -30 |
| DENSITY (*) | EN 323 | kg/m3 | 740-730 | 695-650 | 650-640 |
| INTERNAL BOND | EN 319 | N/mm2 | 0.60 | 0.55 | 0.55 |
| BENDING STRENGTH | EN 310 | N/mm2 | 22 | 20 | 18 |
| MODULUS OF ELASTICITY | EN 310 | N/mm2 | 2500 | 2200 | 2100 |
| THICKNESS SWELLING 24 H | EN 317 | % | 15 | 12 | 10 |
| DIMENSIONAL MOVEMENT LENGTH/WIDTH | EN 318 | % | 0.4 | 0.4 | 0.3 |
| DIMENSIONAL MOVEMENT THICKNESS | EN 318 | % | 4 | 4 | 3 |
| SURFACE SOUNDNESS | EN 311 | N/mm2 | >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 | D-s2,d0 (**) | D-s2,d0 (***) | D-s2,d0 |
| 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) | 0.13 | 0.11 | 0.11 |
| AIRBORNE SOUND INSULATION (SURFACE MASS) (R) | EN 13986:2004+A1:2015 | db | 25 | 27 | 29 |
| WATER VAPOUR PERMEABILITY DRY CUP | EN 13986:2004+A1:2015 | μ | 27 | 23 | 22 |
| WATER VAPOUR PERMEABILITY WET CUP | EN 13986:2004+A1:2015 | μ | 17 | 14 | 14 |
| BIOLOGICAL DURABILITY USE | EN 335 | Class of use | 1 | 1 | 1 |
| 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 -30 |
| THICKNESS | EN 324-1 | mm | +/-0,20 | +/-0,20 | +/-0,30 |
| LENGTH/WIDTH | EN-324-1 | mm | +/-2 mm/m, máx 5mm | +/-2 mm/m, máx 5mm | +/-2 mm/m, máx 5mm |
| SQUARENESS | EN 324-2 | mm/m | +/-2 | +/-2 | +/-2 |
| EDGE STRAIGHTNESS | EN-324-2 | mm/m | +/-1,5 | +/-1,5 | +/-1,5 |

COLOUR

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm |
|--|------------------------|------------|----------------|
| LIGHTNESS ON FACES (L*) | CIE 1976 (CIELAB) | -- | 39 ≤ L* ≤ 44 |
| MAGENTA-GREEN COORDINATE ON FACES (A*) | CIE 1976 (CIELAB) | -- | -2 ≤ A* ≤ 2 |
| YELLOW-BLUE COORDINATE ON FACES (B*) | CIE 1976 (CIELAB) | -- | -2 ≤ B* ≤ 2 |
| DETERMINATION OF LIGHT FASTNESS | ISO 2809. EN ISO 11341 | Blue Scale | > 6 |

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

(**) Mounted without an air gap behind the FIBRACOLOUR ANTRACITA E-Z. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR ANTRACITA E-Z classification D-s2,d2. Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(***) Mounted without an air gap behind the FIBRACOLOUR ANTRACITA E-Z, or with a closed air gap behind the FIBRACOLOUR ANTRACITA E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRACOLOUR ANTRACITA E-Z for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR ANTRACITA E-Z classification D-s2,d2 in thicknesses between >12 and 18 mm. Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 3. Requirements for boards for use in dry conditions (type MDF)

FIBRACOLOUR ANTRACITA E-Z is a low formaldehyde emission product E05 (≤ 0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 622-1:2003 European Standard.

FIBRACOLOUR ANTRACITA E-Z is CARB Phase 2 and US EPA TSCA Title VI certified (Formaldehyde emission < 0.11 ppm ASTM E 1333).

Link to EPA certificate: <https://drive.google.com/file/d/0B-Xe1750UJbXRkstUnF5T2tLS0hNUUh6Q29kMFNTWXI4V1U4/view?usp=sharing>

Link to CARB P2 certificate:

<https://drive.google.com/file/d/0B-Xe1750UJbXRWtPT2hGYzZyZDNqU2ZsRHY0aWc5SGJORINV/view?usp=sharing>

<div style='visibility:hidden;*>(SELECT)</div>

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.