



FIBRACOLOUR BLACK

TECHNICAL DATA-AVERAGE VALUES

Rev: 02/07/2018

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | | | | | | |
|---------------------------------------------------|-----------------------|-------------------|----------------|---------|---------|-------------|--------------|---------|---------|
| | | | 3-4 | >4-6 | >6-9 | >9-12 | >12-19 | >19-30 | >30-40 |
| DENSITY (*) | EN 323 | kg/m ³ | 850 | 800 | 790/750 | 750/740 | 740/710 | 710/700 | 690/680 |
| INTERNAL BOND | EN 319 | N/mm ² | 0,90 | 0,70 | 0,60 | 0,60 | 0,55 | 0,55 | 0,50 |
| BENDING STRENGTH | EN 310 | N/mm ² | 35 | 30 | 30 | 25 | 25 | 20 | 18 |
| MODULUS OF ELASTICITY | EN 310 | N/mm ² | 3000 | 2700 | 2700 | 2500 | 2200 | 2100 | 2000 |
| THICKNESS SWELLING 24 H | EN 317 | % | 35 | 30 | 17 | 15 | 12 | 10 | 8 |
| DIMENSIONAL MOVEMENT LENGTH/WIDTH | EN 318 | % | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 |
| DIMENSIONAL MOVEMENT THICKNESS | EN 318 | % | 10 | 10 | 6 | 6 | 6 | 6 | 6 |
| SURFACE SOUNDNESS | EN 311 | N/mm ² | 1,2 | 1,2 | 1,2 | 1,2 | 1,2 | 1,2 | 1,2 |
| SURFACE ABSORPTION (TWO FACES) | EN 382-1 | mm | >150 | >150 | >150 | >150 | >150 | >150 | >150 |
| MOISTURE CONTENT | EN 322 | % | 7 +/- 3 | 7 +/- 3 | 7 +/- 3 | 7 +/- 3 | 7 +/- 3 | 7 +/- 3 | 7 +/- 3 |
| GRIT CONTENT | ISO 3340 | % Weight | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 |
| FORMALDEHYDE CONTENT | EN ISO 12460-5 | mg/100 g | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 8 |
| REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I | EN 13501-1 | Class | E | E | E | D-s2,d0(**) | 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 | 0,10 | 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 | 0,20 | 0,20 | 0,20 | 0,20 |
| THERMAL CONDUCTIVITY | EN 13984:2004+A1:2015 | W/ (m.K) | 0,16 | 0,15 | 0,13 | 0,13 | 0,12 | 0,12 | 0,12 |
| AIRBORNE SOUND INSULATION (SURFACE MASS) (R) | EN 13986:2004+A1:2015 | db | NPD | NPD | 24 | 26 | 28 | 30 | 32 |
| WATER VAPOUR PERMEABILITY DRY CUP | EN 13986:2004+A1:2015 | μ | 33 | 30 | 28 | 27 | 25 | 24 | 26 |
| WATER VAPOUR PERMEABILITY WET CUP | EN 13986:2004+A1:2015 | μ | 22 | 20 | 18 | 17 | 16 | 16 | 16 |
| BIOLOGICAL DURABILITY USE | EN 13986:2004+A1:2015 | Class of use | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CONTENT OF PENTACHLOROPHENOL (PCP) | EN 13986:2004+A1:2015 | % | <5 | <5 | <5 | <5 | <5 | <5 | <5 |

TOLERANCE ON NOMINAL DIMENSIONS

| PROPERTIES | TEST METHOD | UNITS | THICKNESSES mm | | | | | | |
|-------------------|-------------|-------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | | | 3-4 | >4-6 | >6-9 | >9-12 | >12-19 | >19-30 | >30-40 |
| THICKNESS | EN 324-1 | mm | +/- 0,15 | +/- 0,15 | +/- 0,20 | +/- 0,20 | +/- 0,20 | +/- 0,30 | +/- 0,30 |
| LENGTH/WIDTH | EN-324-1 | mm | +/-2 mm/m, max 5mm | +/-2 mm/m, max 5mm | +/-2 mm/m, max 5mm | +/-2 mm/m, max 5mm | +/-2 mm/m, max 5mm | +/-2 mm/m, max 5mm | +/-2 mm/m, max 5mm |
| SQUARENESS | EN 324-2 | mm/m | +/- 2,0 | +/- 2,0 | +/- 2,0 | +/- 2,0 | +/- 2,0 | +/- 2,0 | +/- 2,0 |
| EDGE STRAIGHTNESS | EN-324-2 | mm/m | +/- 1,5 | +/- 1,5 | +/- 1,5 | +/- 1,5 | +/- 1,5 | +/- 1,5 | +/- 1,5 |

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

(**) Mounted without an air gap behind the FIBRACOLOUR BLACK. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR BLACK 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 BLACK, or with a closed air gap behind the FIBRACOLOUR BLACK for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRACOLOUR BLACK for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR BLACK classification D-s2,d2 in thicknesses between 10 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 BLACK meets 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.