



Characteristics

- BioPanel is a natural product
- 100% biobased raw materials
 - Bio Polymer
 - Industrial Hemp Fibre
- 100% recyclable into new panels
- Biodegradable
 - No damage to ecosystem
 - Deposit upon return after the end of the life cycle
- CO2 Neutral (LCA available)
- Strength comparable to HPL panels
- One-piece formats are currently available in all sizes up to the maximum size of 1020 x 2040 mm in both 2, 3 and 6mm thicknesses
- Available in brown (natural colour) and black (carbon black added)
- Warranty for outdoor use 10 years
- Delivery time 2 weeks

Technical values

- | | |
|--|---|
| ● Density | 1270 kg/m ³ |
| ● Colour Dark brown (similar to Ral 8017) | Natural colour
Variation is possible
UV causes fading of the brown colour |
| ● Black (similar to Ral 9004) | Coloured with carbon black
Stable colour
UV hardly bleaches the colour
Natural reduction of biodegradation |
| ● Heat expansion coefficient | 68µm/m-°C |
| ● Heat distortion temperature | 140°C |
| ● Charpy impact strength unnotched at 23°C | 30 KJ/ m ² |
| ● Charpy impact strength notched at 23°C | 4 KJ/ m ² |
| ● Tensile modulus, test speed 1mm/min, 4mm thick | 3600 Mpa |
| ● Hardness Shore D | 90 |



Handling

- Good machining, including CNC milling, laser cutting, sawing, thermal bending
 - CNC milling:
 - Milling type: universal
 - Machining speed: 50 to 70 mm per second
 - RPM: 14.000 to 18.500
 - Passages: 3 mm plate 2 steps, 6 mm plate 4 steps
- Direct printing is possible.
- To be provided with PVC-free film and PVC-free protective laminate (with UV filter). Film adhesion depends on the film used. For outdoor applications, we recommend an adhesion of more than 15 Newton / inch. If you would like to know which films we have had good experiences with, please contact us.
- BioPanel does not shrink or expand. When mounting, bear in mind that BioPanel is free from the action of other materials on or into which it is mounted.
- Biopanel should be stored vertically.

Contact

For questions or advice, please contact:

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