

Technical Data Sheet

Coffee Composite Board

Composite element made from coffee grounds (upcycling)

dekodur®



Product Description

Intended as a wood substitute for furniture, floors, wall cladding and ceiling panelling, Coffee Composite Board is a new, CO₂-neutral, recyclable material made from coffee grounds.

Achieving sustainability through closed circle economy

Instead of "producing using throwing away", it is all about creating production circuits that produce as few losses as possible. Coffee silver skin is a by-product of the coffee roasting industry. A fibrous layer with a woody structure covering the coffee seed in the coffee fruit, it is detached during the roasting process.

At Dekodur International, this material gets a perfect, formaldehyde-free HPL surface with unique properties and structures. The result: an ecofriendly composite element for a wide range of processing options.

Use

Ideal for standard applications in the manufacture of furniture, such as tables, chairs, wall cladding, floors and ceiling panelling, this new, lowemission composite element is suitable for both private household applications and use in public areas (e.g. in cafés, restaurants or shops).

Resistant and durable

Coated with high pressure laminate which is in turn impregnated with ECO resin, Coffee Composite Board is food-safe, scratchproof, nonabrasive and temperature-resistant and characterised by a very long service life.

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Coffee Composite Board

Properties:

-  Temperature resistant
-  Scratchproof & non-abrasive
-  Food-safe
-  Dimensionally stable
-  Eco-friendly
-  Formaldehyde-free
-  Coffee grounds as CO₂ storage



When it comes to composite elements, we strictly recommend symmetrical structures. If a nonsymmetrical structure is requested by the customer, the customer shall be solely liable for any warping resulting from that non-symmetrical structure.

Decors*



C 402/COF



C 402/HM5



C 421



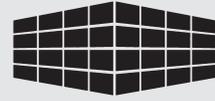
D 070/SMT



D 071/VIN



D 066/MAT



materialPREIS
Die Auszeichnung für besondere Materialien

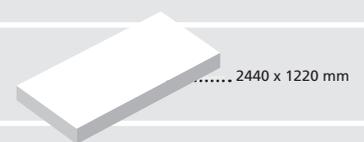
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raumPROBE
MaterialPREIS for
special materials



*Selection, further decors available upon request

Specifications

| | |
|------------------------|---|
| Composite element: | Type P2 (EN 312) for interiors and furniture. |
| Density: | 1050 kg/m ³ +/-50 kg/m ³ MR 1, MR 2, EQ2 v2009: MR 6, IEQ 4.4: 85; 90% recycled coffee grounds, glued with water-based acrylic resin, coated with high pressure laminate (HPL) impregnated with ECO resin |
| Thicknesses: | From 6 mm to 15 mm |
| Dimensional stability: | The results conform to ISO 24339 and the applicable EN standards |
| Formaldehyd emission: | Class E0 (<0.025 mg/m ³), NAF (no added formaldehyde) |
| Elastic modulus: | 6000 8000 MPa |
| Biological stability: | Class 2 (EN350) |
| FSC, HCHO Certificate: | Available upon request |
| Dimension & packaging: | 2440 x 1220 mm; with transport protective foil |



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