

fibreC under the sign of nature

IBO-Label 2007

The Austrian Institute for Construction Biology and Ecology awards the IBO-Label 2007 to fibreC. The panels made of glass fibre concrete with a thickness of 8, 10 and 13 mm get evaluated as outstanding ecological products regarding human being, buildings and environment.

The Product Test No. 47 EP-2007 performed by IBO has shown the following favourable properties with regard to construction biology and ecology:



- Fire Protection due to non-inflammable facade cladding
- Product is largely made of mineral components (more than 95% of fibreC consist of sand, cement and glass fibres)
- Good eco-profile during manufacturing (details see below)
- No adverse health or environmental effects if used according to product specifications
- Problem-free waste disposal
- Integration of Security, Healthy and Environment into Strategy and Quality Management
- Initiatives for the implementation of intra-company environmental goals
- Environmental management system ISO 14001

See behind the façade...

The following table demonstrates that the production of fibreC is a very energy-saving process in contrast with other façade cladding materials such as fibre-cement or HPL-panels. The ecological parameters of fibreC glassfibre concrete are significantly below the values of the alternative products. The production of fibreC causes 40% less global warming potential than fibre cement panels or aluminium sheets based upon IBO criteria. Because of its excellent eco-profile, fibreC spends 75% less primary energy than the production of HPL-panels.

	Gross Density [kg/m³]	Thickness [mm]	PEI	GWP	AP
fibreC	1900	13	205	14,57	0,065
Fibre Cement	2000	13	361	24,44	0,088
HPL-Panels	1400	13	914	22,93	1,258
Aluminium sheets	2800	01	347	24,72	0,118

Environment categories: PEI: primary energy requirement of non-renewable resources [MJ/m²]

GWP: global warming potential [kgCO₂eq/m²]

AP: acidification potential [kgSO₂eq/m²]

Reference: IBO-Baustofftabelle, Date 06/2007

About IBO

The IBO Certificate is considered as an approved and independent Austrian Environmental Label that recognizes products that meet strict biological and ecological criteria. It enables transparency and gives trustful decision guidance. IBO guarantees, that fibreC is a sustainable product from a product lifecycle perspective.

Contact

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