



*Join us for truly sustainable!*



### **100% CIRCULAR**

BioPanel sheet material is recyclable in new products and biodegradable.



### **100% BIOBASED**

BioPanel sheet material consists of industrial hemp fibre and biopolymer.



### **0% FOSSIL**

BioPanel is free of fossil raw materials and mineral oils.



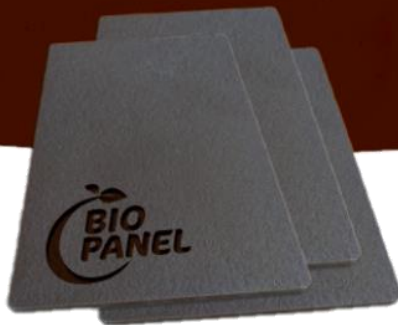
### **CO2 NEUTRAL**

Life Cycle Analysis (LCA) by an independent research agency shows that BioPanel saves up to 99% CO2 emissions compared to aluminum.



### **MANY APPLICATIONS**

BioPanel is strong and light, available in several thicknesses and can be used indoors and outdoors.



### **BIOPANEL BV**

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## Strong, ecofriendly, vegetable sheet material

Environmental friendliness and sustainability are major issues for the development of BioPanel. That is why BioPanel sheet material is completely plant-based. The development of BioPanel has its origins in the ambition to limit the environmental impact of traffic signs and information panels. Products that are mainly produced out of energy-intensive aluminum and oil-based plastics.

### CO<sub>2</sub>-neutral and recyclable

The result is BioPanel. A strong sheet material in various thicknesses, which consists entirely out of renewable vegetable raw

materials. BioPanel is a CO<sub>2</sub>-neutral panel material due to the fact that the hemp absorbs large amounts of CO<sub>2</sub> during the growth. The production of BioPanel is energy-efficient. It requires only low temperatures.

BioPanel is recyclable and biodegradable. So we avoid waste.

### Many applications

BioPanel is widely used as sheet material for signing. Together with various Dutch partners, more than 15.000 BioPanel panels have

already been installed for various purposes. A BioPanel board provides up to 99% less CO<sub>2</sub> emissions than aluminum boards. And the possibilities of BioPanel go much further. Think of use in construction, in furniture or in all kinds of

products in which hard sheet material is processed. Moreover, BioPanel granulate offers endless possibilities as a basis for other products for which currently conventional plastics are used.



Hemp field



raw material



Extrusion



Signing



### The main features of BioPanel

- Strong, light and suitable for indoor and outdoor use.
- Consists of renewable vegetable raw materials.
- Up to 99% less CO<sub>2</sub> emission than conventional used materials.
- Recyclable and biodegradable. This prevents residual waste.