



10th Int.
Conference of
the EIHA

Negate the disadvantages of
natural fibres

Play naturally smart



Content



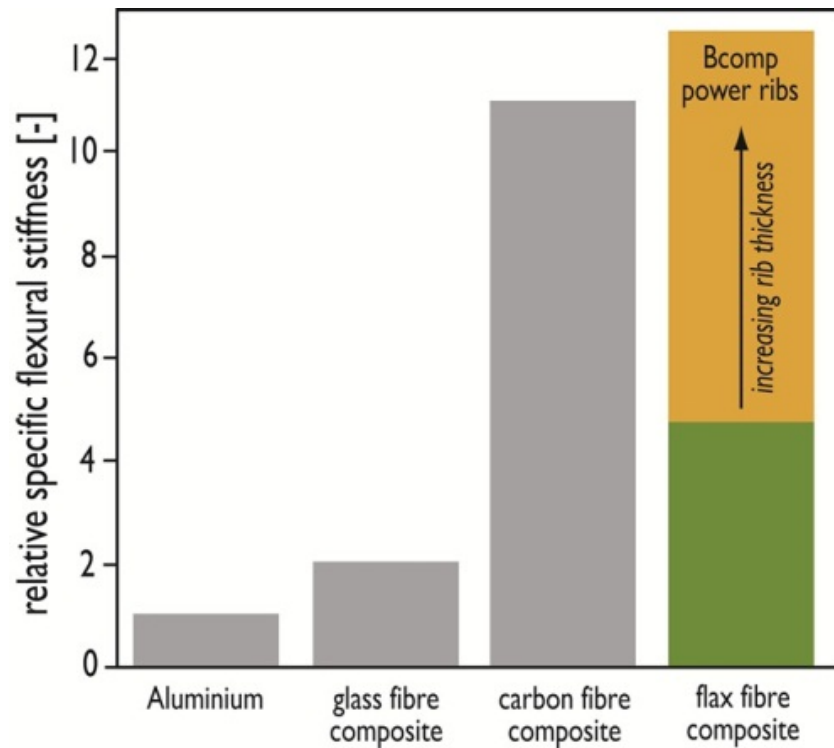
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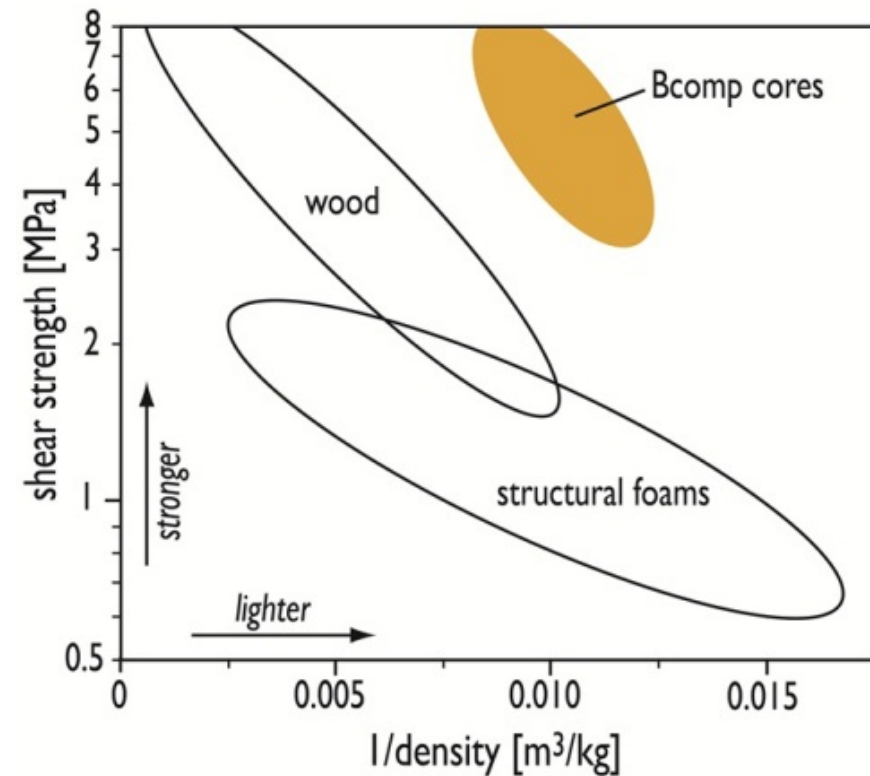
- » technologies
- » products & applications
- » communication & company

Technologies

» power ribs patented

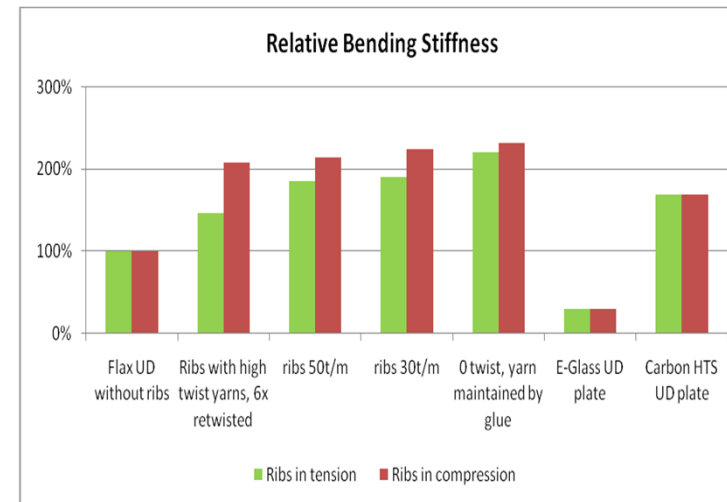


» bCores patented



power ribs

The powerRibs technology uses the twist of natural fiber yarns to create a rib structure on composite parts surface.



This technology is closely related to natural fiber, since it uses the limited compressibility of natural fiber yarns to create ribs, while this wouldn't work with glass or carbon rovings which would spread over the surface when the pressure is applied by the vacuum bag

bCores

On top of their outstanding mechanical properties, the bCores shear webs double **the core-face adhesion**: While the low density of our flax fibre composite layers lead to relatively thick shear webs for a given weight, they form a fibrous edge when cut or milled. The combination of these two effects guarantees a large and very strong interface, resulting in an efficient stress transfer from the faces into the core and vice-versa.

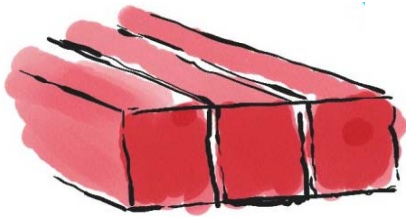


product portfolio



bCores – a thrilling journey

2005-2011
the concept



Lightweight
+
Performance
+
Sustainability

2011
foam + flax



- ✓ Lightweight
- ✓ Sustainability
- Robustness
- Processability

2012
balsa + flax v1



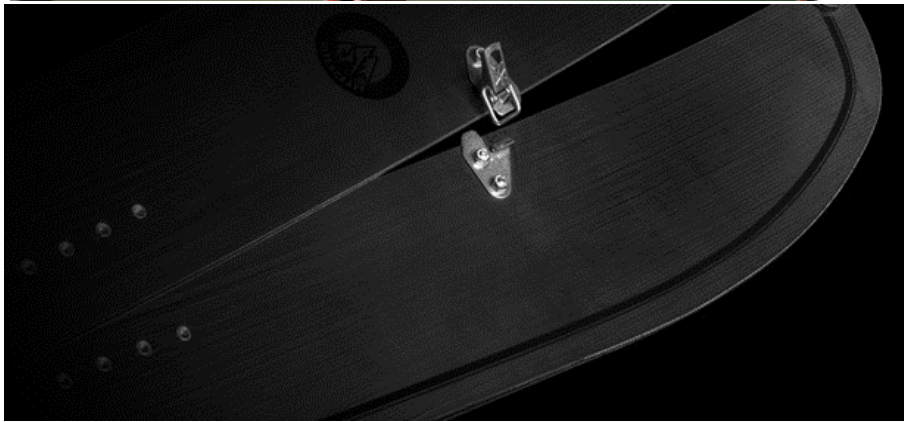
- ✓ Lightweight
- ✓ Sustainability
- ✓ Robustness
- Processability

2013
balsa + flax v2



- ✓ Lightweight
- ✓ Sustainability
- ✓ Robustness
- ✓ Processability

bCores D200



bCores DI20



bTubes



➤➤ Ski poles



➤➤ Walking sticks



➤➤ Braids



ampliTex

non crimp
discover the strong....



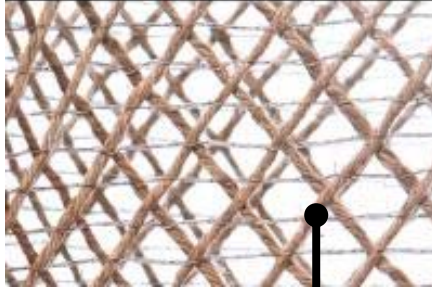
low twist
Discover the airy...



ampliTex

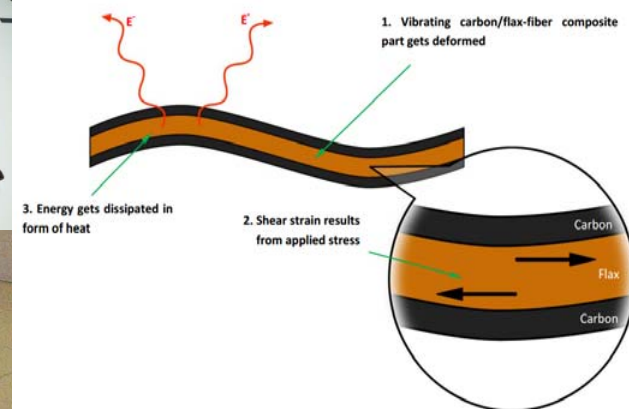
power ribs

discover the smart...



flax braid

discover the unique...



customer projects

- » watch industry
- » acoustics
- » interior & design
- » electronic devices

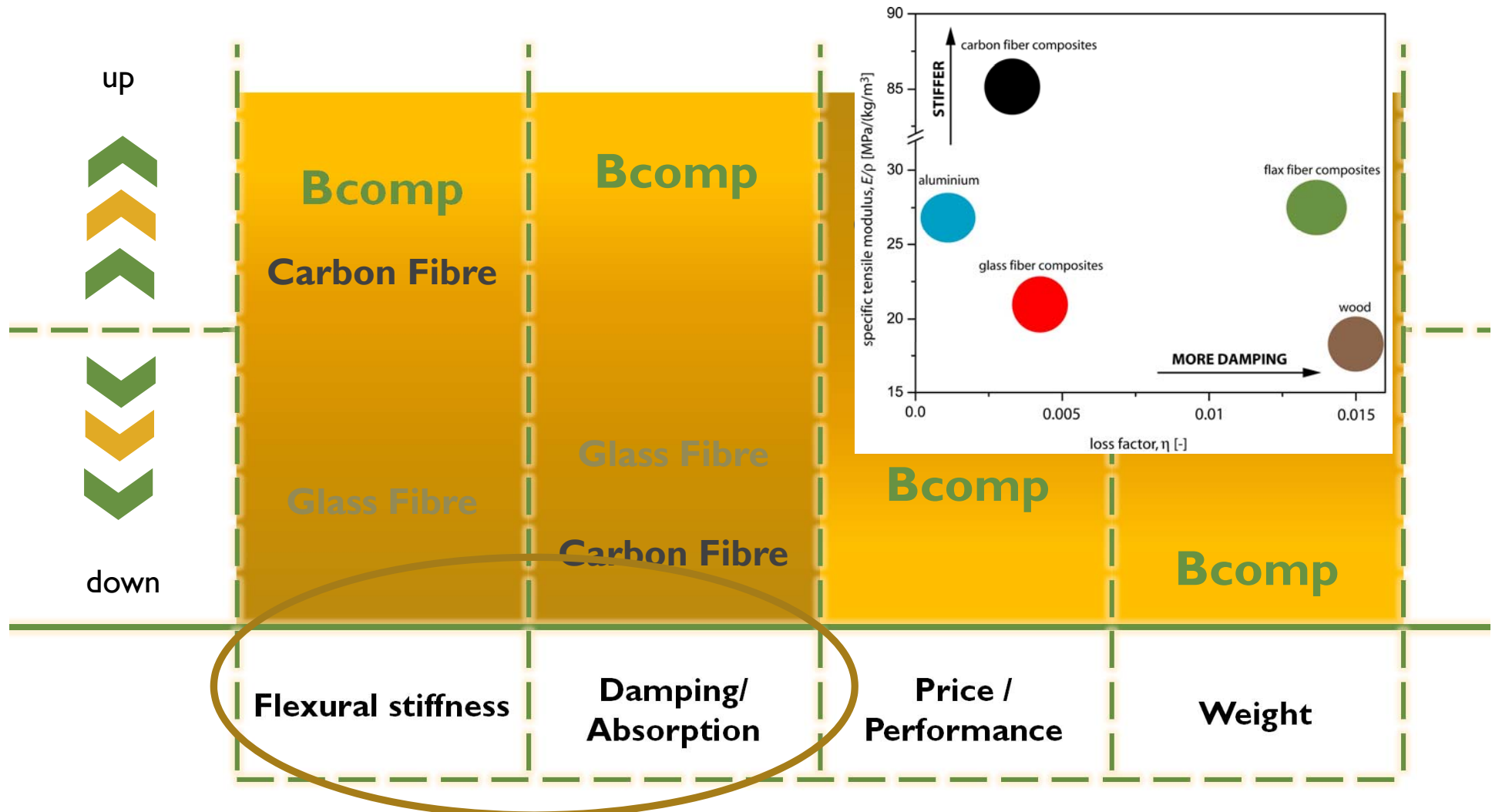
Our mission



- » Under the tagline “**play naturally smart**”, Bcomp has defined what looks like a paradox at first sight as its mission: designing and marketing **sustainable materials with no compromise on performance**, and an exclusively European supply chain.



usp & communication





Bcomp



Bcomp has been created in 2011 and employs today eight people in Fribourg, Switzerland



Play naturally smart