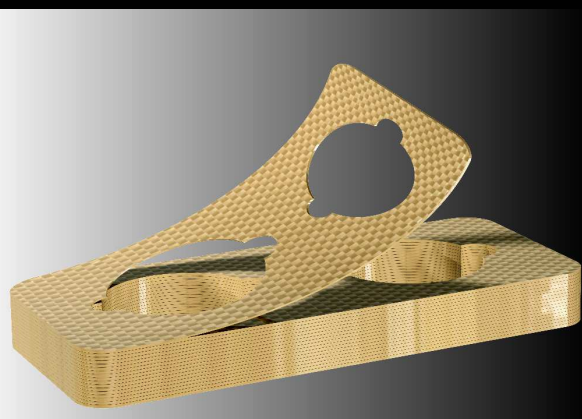




X.FIBER HIGH-DENSITY

The high-performance composite material



X.FIBER HIGH-DENSITY[®] (1) is a laminated material designed⁽²⁾ by Daniel GASTEL. This composite material takes the form of a multitude of woven fibreglass sheets.

The sheets are interlinked by a thermosetting resin, the elaboration of which bestows on the resulting final material outstanding technical performances and excellent peelability.

Advantages:

LIGHTNESS

It is an appropriate response to a requirement for lighter materials (to achieve greater autonomy or payload). X.FIBER HIGH-DENSITY[®] is, with INTERCOMPOSITE[®] (3) and DUOPEEL[®] (4), one of the lightest of all our peel-off materials (up to six times lighter in weight than steels or brass!).

Material	Specific weight	Weight-saving
		X.FIBER HIGH-DENSITY
X.FIBER HIGH-DENSITY [®]	1,35	
Stainless steel	8,2	6,07 X
Brass	8,5	6,30 X

ROBUSTNESS

In addition to being a lightweight product, X.FIBER HIGH-DENSITY[®] is also extremely robust. Indeed it is resistant to:

- very high compressive forces, without entanglement,
- chemical attacks,
- water,
- sea air.

As such, it is an excellent substitute for stainless steels.

(1) X.FIBER[®] — Trademark registered,

(2) Europe: Patent pending,
Canada: Patent pending,
États-Unis: Patent pending.

(3) INTERCOMPOSITE[®], (4) DUOPEEL[®] - Trademarks registered, see patent numbers on the sheet devoted to each of these products..

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RESISTANCE

X.FIBER HIGH-DENSITY® mechanical properties remain unaffected by the rise in temperature. Thus this product can be exposed without damage to heat exceeding 932°F (500°C).

RAPIDITY

The sheets can be peeled by hand, without the need for tools of any kind. This composite material removes any risk of injury during the peeling operation.

INGENUITY AND ECONOMY

Once they have been peeled, the sheets remain flat and free of deformation. They remain fully re-useable.

ANTI-FRETTING

X.FIBER HIGH-DENSITY® is a total barrier against the galvanic coupling caused by surface contact of different metallic alloys. No further surface treatment is required.

Dimensions of X.FIBER HIGH-DENSITY® products:

Standard	Specific weight	Thickness of laminations (mm / inch)	
		Standard	
		0,1 / .004	
		9	
LS21	1,35		X



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