

DUOPEEL

The visual bilaminate



new

DUOPEEL®⁽¹⁾ is a peel-off material, designed and patented⁽²⁾ by Yann GASTEL. This bilaminate composite material allows the different hand peelable layers to be easily differentiated. One of the two materials has received a very thin covering layer of aluminium giving it a metallic appearance. This makes it easy to identify the different peelable parts of your finished product. You can peel the appropriate side off to obtain the desired shim thickness.

Advantages:

EASY IDENTIFICATION OF THE DIFFERENT PEELABLE SECTIONS

For example, a peel-off shim with a total thickness of 1.75 mm / .069 inch can be made of a section of 10 elements of polyethylene glycol terephthalate of 0.075 mm / .003 inch (or 0.75 mm / .03 inch) and a second of 40 sheets of metallised polyester of 0.025 mm / .001 inch (or 1 mm / .04 inch).

LIGHTNESS

It is an appropriate response to a requirement for lighter materials (to achieve greater autonomy or payload). DUOPEEL® is, with INTERCOMPOSITE®⁽³⁾ and X.FIBER®⁽⁴⁾, the lightest of all peelable materials.

ADAPTS TO CURVED SHAPES

DUOPEEL® immediately adapts to most curves without any loss of precision. And all this at the assembly site itself.

EASE AND SPEED OF USE

DUOPEEL® can be peeled by finger, there's no need for tools.

SAFETY, NO RISK OF OCCUPATIONAL ACCIDENTS

This composite material removes any risk of injury during the peeling operation.

(1) DUOPEEL® - Trademark registered,

(2) France : Patent N° FR 2 944 990 B1,
Europe : Patent pending

(3) INTERCOMPOSITE® - Trademark registered,
France : Patent N° FR 2 572 411 B1

(4) X.FIBER® - Trademark registered, Europe :
Patent N° EP 1 444 094 B1, Canada : Patent N°
CA 2 464 337 C, Etats-Unis : Patent pending

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GOOD PHYSICAL, MECHANICAL, THERMAL AND CHIMICAL CHARACTERISTICS

This data is communicated on request by return of e-mail.

SAVINGS AND ECONOMY

Once peeled, the sheets remain flat and show no signs of deformation. And so they are reusable.

Dimensions of DUOPEEL® products:

Specific weight	Thickness of lamination (mm / inches)											
	PET								Metallised polyester			
	0,012 .0005	0,019 .0007	0,023 .0009	0,05 .002	0,075 .003	0,1 .004	0,2 .008	0,012 .0005	0,019 .0007	0,023 .0009	0,05 .002	
1,395	x	x	x	x	x	x	x	x	x	x	x	x

DUOPEEL®, synergy
for assemblers and technicians



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