

Waste Management approach for exhibitions

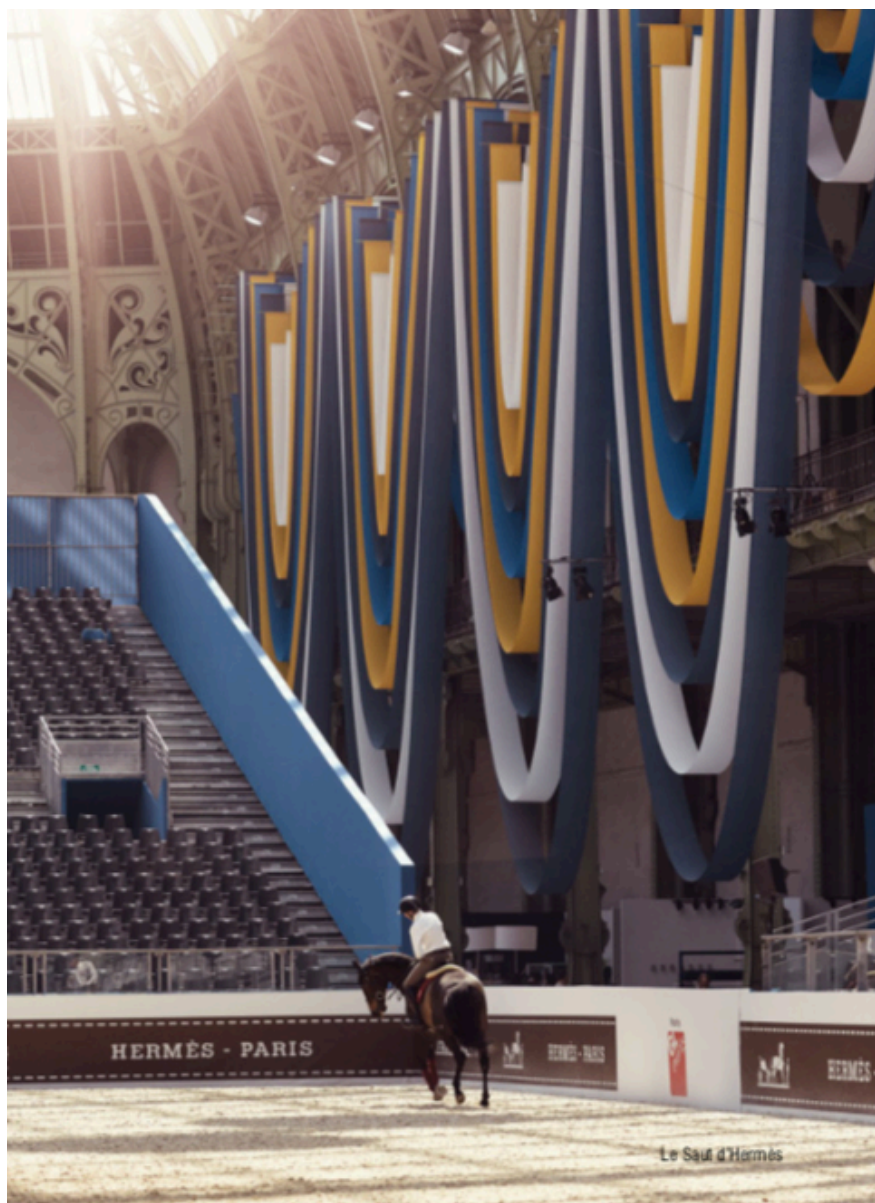
Procédés Chénel International presents : Drop Cake

Turning paper composite wastes into recycled boards.

More than a century of clever developments of lightweight systems for exhibition, event and interior architecture designers. Committed to a constant improvement process, societal as well as environmental, PROCÉDÉS CHÉNEL INTERNATIONAL has responsible solutions to offer.

Kakémonos, partition walls, lightings, furniture, objects... all created using fire-resistant innovative papers, kraft, tissue paper, tracing paper, honeycomb structured, which can be printed and cut to follow any desire.

PROCÉDÉS CHÉNEL INTERNATIONAL developed Drop Paper® in 1986, a recipe «cooked» with an industrial company. PCI has a worldwide exclusivity. Drop Paper® comes in various forms and uses (partition wall, lighting, furniture, ceiling), always fire-resistant. 30 tons of paper are bought every year.



The Process :

Our material Drop Paper is a composite made of polyester, fiber glass and cellulosis. We are not able to recycle it ie : separating the different components to reproduce the same material.

Since January 2020 we are able to recycle all our wastes into a rigid pannel, a board of 1,20 m x 2,00 m that we call Drop Cake.

The process is very simple and does not require any chemicals. We shrad our material in small flakes and add 15 % of polyethylene wastes shraded that melt to merge the different materials together.

The boards made in this process can be recyled again and again in the same way. Using no chemicals allows us to have this circular process.

This material has very interesting features :

- Fire retardant
- Easy to transform into any objects or furniture
- Light and rigid
- Accoustical
- 8/9 mm thick

We have in house approximately 60 kg per week, 3000 kg a year for a production of approximately 100 boards 8/9 mm thick.

From this material we can produce some different objects and furniture, some structures for stand construction, some accessories.



Today we are proud to offer a second life to our paper composite materials from our wastes evaluated at 3 tons.

Tomorrow we would like to offer the opportunity to our customers to collect the wastes on site and transform them into Drop Cake. We evaluate it between 10 to 20 tons.

The Collecting process will require a new Business model.

When the customer wants some Drop Paper installation, we calculate the weight of his order and offer him to pre sell the same weight transformed into a board of Drop Cake.

One board is approximately 30 kg and costs 2,25 € per kg. It is then easy to calculate the price of the transformation.

Drop Cake	Width	Length	surface	price/m2	weight/m2	m2/ kg	price/kg
	1,2	2	2,4	28,00 €	12,5	0,08	2,25 €

Example :

Iberia stand required 2880 m2 of Drop Paper for a total of 173 kg.
We pre sell the transformation into 14 m2 of Drop Cake for a total of 392 euros.
When the Drop Paper is sent back to us we send them the boards.
Shipping costs are not included.



Drop Cake is one solution to transform our stand wastes into durable object or into another stand structure.

Examples :

Flooring system, furniture, top table...

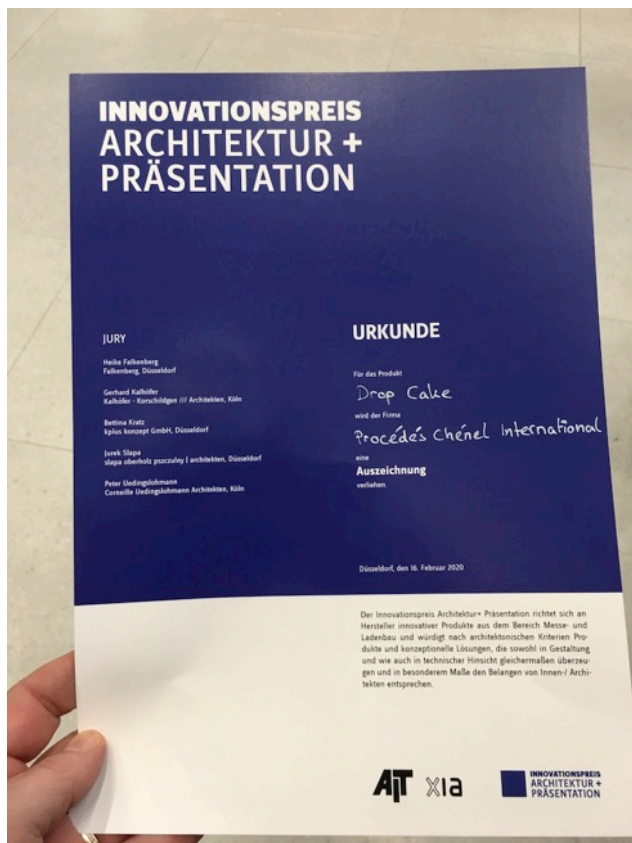


Target :

Our customers for the Drop Cake will be the same as our customers for Drop Paper. We do not need to find another sales target or other network. Interior Designers, stand designers need green products for short term uses like in exhibition.

Today the boards are produced in Europe, 1000 km from our company. We would like to shorten this distance to reduce the carbone footprint of the production. And we look for other factories able to make such simple technology production. The factory could also be a mobile production workshop that could be used for different projects. Like Texilooop designed for Serge Ferrary composite is now transformed into Polyloop which offers tranformation for different materials in different places.

We are proud to have received in Düsseldorf, February 16th the Innovation award from the AIT magazine.



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