



## Scope of study

Product Name:

Study case:

Date:

Autor(s) :

Functionnal Unit (FU):

BI-THEATER 2021

Media for digital printing and backlit

2022-02-01

Ecodesign office CEDD

Support a printed picture of 1 m<sup>2</sup> on a light box for 3 months

## Product Composition

List of components:

	Weight g/m <sup>2</sup>	Type	Recycled content
Base cloth	64,00	Polyester	0%
Coating	197,50	Base polyuréthane+Flock	0%
Product Weight	261,50		0%
Packaging	32,98		69%
Product and packaging weight	294,48		8%

Substances subject to declaration (REACH) :

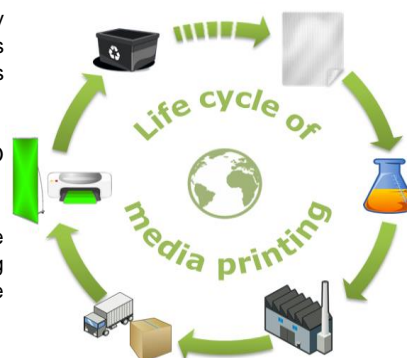
Désignation	Function	Part in %
None		

## Methodology

This document presents the Ecoprofile of the product designed and made by SENFA. It informs the reader, in a indicative way, about the potential impacts affecting the environment on the whole life cycle of the product. These results are reported to a functional unit (FU) which represents the service provided.

This approach used here follows the directives dictated by the standards ISO 14040-44 and BP X 30-323-24.

The scope of the study takes into account: the fabric and its packaging, the chemicals used during the coating and their packaging, the manufacturing process SENFA, the packaging of expedition, the average distribution, the application and the use, and the end of life of the product with its transport.



The scope of the study does not take into account: the non-toxic chemical components counting for less than mass 1 % of formulation (within the limits of 2 % of total negligence), the activities bound to the R&D and to the marketing, the travel of the employees of the company.

## Environmental Impact Assessment

Table of potential environmental impacts:

	Carbon footprint	Eutrophication	Water depletion	Depletion of fossil fuels
	kg eq CO <sub>2</sub>	kg eq P	m <sup>3</sup> eq eau	MJ
Fabric	0,6316	0,0002	0,2644	13,7692
Coating	1,0184	0,0016	0,6781	12,8686
Coating processing	0,9999	0,0002	0,2640	18,5558
Packaging and distribution	0,1366	0,0000	0,0175	0,3289
Media end of life	0,2254	0,0000	-0,0005	-1,0672
Application and use	0,5939	0,0004	0,2276	9,9803
<b>TOTAL product only</b>	<b>3,0119</b>	<b>0,0020</b>	<b>1,2236</b>	<b>31,7533</b>
<b>TOTAL per FU</b>	<b>3,6059</b>	<b>0,0023</b>	<b>1,4511</b>	<b>54,4355</b>

### Indicators :

#### Carbon footprint:

Quantity of greenhouse gases, responsible for climate change, emitted on the whole life cycle of the product, expressed in kilograms equivalent CO<sub>2</sub>.

#### Eutrophication of the fresh water:

Quantity of effluents, responsible for the eutrophication of the fresh water, emitted on the whole life cycle of the product, expressed in kilograms equivalent Phosphor.

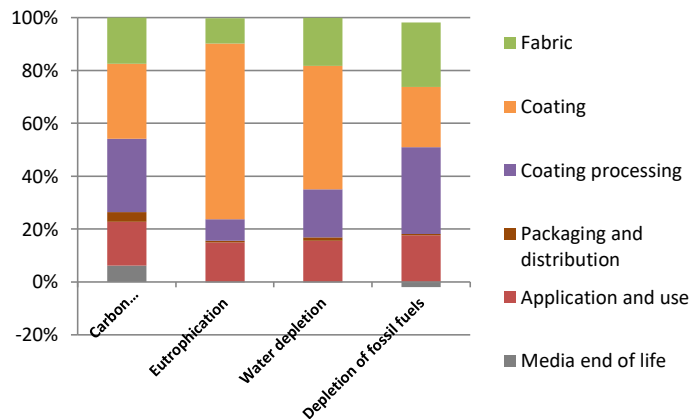
#### Water depletion:

Quantity of fresh water consumed on the whole life cycle of the product corrected according to the local hydric stress, expressed in equivalent m<sup>3</sup>.

#### Depletion of fossil fuels:

Quantity of primary fossil energy consumed over the entire life cycle of the product, expressed in MJ equivalent.

Fig. 1 : Profil Environnemental



## Environnemental Labeling

### Fire certification:

M1

### Product Labeling:

#### Carbon footprint labeling:

SENFA encourages its customers, printers and users, to assess the carbon footprint of their printed items. The label opposite shows you the carbon footprint of our product leaving our factory and including its delivery and theoretical end of life.

#### Fossil fuel footprint labeling:

SENFA encourages its customers, manufacturers and users, to assess the fossil fuel footprint of their items. The label opposite shows you the fossil fuel footprint of our product leaving our factory and including its delivery and theoretical end of life.

#### Recycled content labeling:

SENFA informs its customers of the part recycled in its products and packagings, the progress of this index allows an economy of raw materials and a reduction of the environmental pressure.



\* without application and use



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SENFA

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