



Scope of study

Product Name:
Study case:
Date:
Autor(s) :

BI-NIGHT 2021
Media for digital printing and block out
2022-02-01
Ecodesign office CEDD
Support a printed picture of 1 m ²

Functionnal Unit (FU):

Product Composition

List of components:

	Weight g/m ²	Type	Recycled content
Base cloth	94,00	Polyester	0%
Coating	240,00	Base polyuréthane+Flock	13%
Product Weight	334,00		9%
Packaging	68,17		45%
Product and packaging weight	402,17		15%

Substances subject to declaration (REACH) :

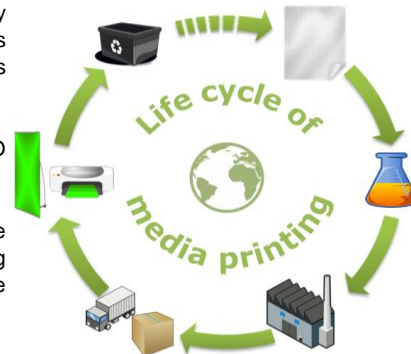
Désignation	Function	Part in %
None		

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 ₂	kg eq P	m ³ eq eau	MJ
Fabric	0,9178	0,0005	0,2765	15,6415
Coating	1,7187	0,0021	2,4529	30,9272
Coating processing	1,0351	0,0002	0,3381	19,7536
Packaging and distribution	0,1399	0,0000	0,0188	0,4111
Media end of life	0,2864	0,0000	-0,0006	-1,3547
Application and use	0,7615	0,0004	0,4380	13,1480
TOTAL product only	4,0978	0,0027	3,0857	51,0920
TOTAL per FU	4,8593	0,0032	3,5237	78,5269

Indicators :

Carbon footprint:

Quantity of greenhouse gases, responsible for climate change, emitted on the whole life cycle of the product, expressed in kilograms equivalent CO₂.

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.

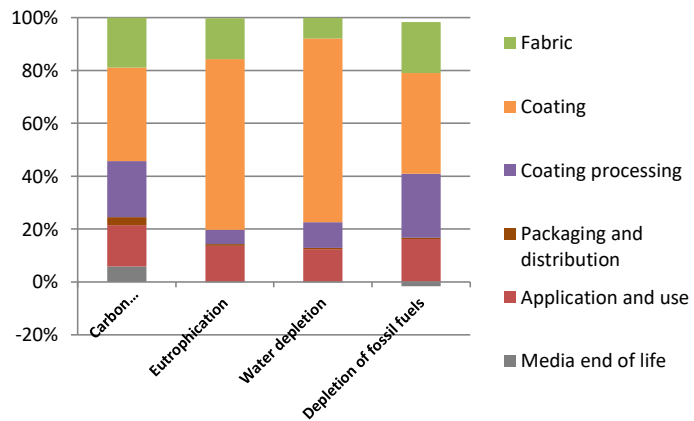
Water depletion:

Quantity of fresh water consumed on the whole life cycle of the product corrected according to the local hydric stress, expressed in equivalent m³.

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.

Carbon Footprint*
4,10 kg CO₂ eq./m²
 Equivalent to a distance of
16,01 km by car

** without application and use*

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.

Fossil fuel footprint*
51,09 MJ eq./m²
 Equivalent to a consumption of
199,58 smartphone recharges

** without application and use*

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.

Recycled Content

Product + Packaging: 15%
 Product only: 9%

SENFA

1 rue de morat - 67600 SELESTAT - FRANCE

www.senfa-coating.com

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