

FRENCH REPUBLIC

Ministry for the Ecological Transition,
Biodiversity, Forestry, the Sea and
Fisheries

Order of XXX on the signage and methodology for calculating the environmental cost of textile clothing products

Target audience: *any legal or natural person who voluntarily calculates or reports on the environmental cost of textile clothing products, particularly manufacturers, importers, or marketers of these products, and any legal or natural person who reports on an aggregate score relating to one or more environmental impacts of a textile product.*

Subject: *methods for calculating and communicating the environmental cost of textile clothing products.*

Entry into force: *the text shall enter into force on the day after its publication.*

Application: *the Order is issued pursuant to Decree No... of... on the methods for calculating and communicating the environmental cost of textile products.*

NOR:

The Minister for the Economy, Finance and Industrial and Digital Sovereignty, and the Minister for the Ecological Transition, Biodiversity, Forestry, the Sea and Fisheries;

Having regard to Regulation (EU) No 1007/2011 of the European Parliament and of the Council of 27 September 2011 on textile fibre names and related labelling and marking of the fibre composition of textile products;

Having regard to Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services, together with Notification No XXX sent to the European Commission on XXX;

Having regard to the Environmental Code, in particular Articles L. 541-9-11 to L. 541-9-15;

Having regard to Law No 2021-1104 of 22 August 2021 on combating climate change and strengthening resilience to its effects, in particular Article 2 thereof;

Having regard to Decree No XXX of XXX on the methods for calculating and communicating the environmental cost of textile products;

Having regard to Commission Recommendation (EU) 2021/2279 of 15 December 2021 on the use of the Environmental Footprint methods to measure and communicate the life cycle environmental performance of products and organisations;

Having regard to the observations made during the public consultation carried out between 28 November and 19 December 2024, pursuant to Article L. 123-19-1 of the Environmental Code;

Hereby order:

Article 1

For the purposes of Article R. 541-240, this Order applies to products falling within the scope of the aforementioned Regulation (EU) No 1007/2011, with the exception of the following products:

1° textile products not used for clothing, such as household linen and covers;

2° single-use textile clothing products;

3° textile clothing products containing electronic components;

4° textile clothing products for which more than 20 % of the mass consists of materials for which the modelling of the contribution to the calculation of the environmental cost is not included in the methodological note.

Article 2

The calculation of the environmental cost is carried out in accordance with a methodology set out in Articles 3 to 8 of this Order and detailed in a methodological note published on the website of the ministries responsible for the environment and the economy.

Article 3

The environmental cost relates to each product reference. For the purposes of this calculation, each product consisting of a different colour or composition in terms of materials constitutes a different reference.

By way of exception, where several units of textile products are grouped together in a single sales unit, the environmental cost is calculated at the scale of that sales unit.

The calculation of the environmental cost relates to a single size, applicable to all other sizes within the same segment. The segments considered are specified in the methodological note.

Where none of the sizes proposed corresponds to a given reference, it shall be up to the legal or natural person carrying out the calculation of the environmental cost to choose a size that is representative of the different sizes proposed for the reference in question.

Article 4

The environmental cost is calculated by reference to a given type of product, to which a number of theoretical days of use corresponds. The types considered are *at least* the following:

1° Boxer shorts / Briefs;

2° Underpants;

- 3° Socks;
- 4° Shirt;
- 5° Jeans;
- 6° Skirt / Dress;
- 7° Swimwear;
- 8° Coat / Jacket;
- 9° Trousers / Shorts;
- 10° Sweater;
- 11° T-shirt / Polo shirt.

For a product reference composed of several textile parts, each part refers to a product type. The environmental cost of the reference is calculated by adding together the environmental cost calculated for each textile part.

Moreover, accessories not composed of textile fibres are included in the modelling within the framework of Article 7 of this Order.

Article 5

The calculation of the environmental cost is based on modelling of the environmental impacts of textile products, considered throughout their life cycle.

This modelling is based on life cycle inventory data made available under the conditions specified in the methodological note referred to in Article 2.

This modelling includes the 16 environmental impact categories set out in Annex I to the European Commission Recommendation (EU) 2021/2279 of 15 December 2021 on the use of the Environmental Footprint methods to measure and communicate the life cycle environmental performance of products and organisations. These 16 impact categories are taken into account in the modelling with the following normalisation and weighting coefficients:

Impact category	Normalisation coefficient	Weighting coefficient
Acidification	55.57 molH ⁺ e	4.91 %
Climate change	7 553 kg CO ₂ e	21.06 %
Freshwater ecotoxicity	98120 CTUe	21.06 %
Use of fossil resources	65004 MJ	6.59 %
Eutrophication of freshwaters	1.61 kgPe	2.22 %
Human toxicity – cancer	1.73e-5 CTUh	0 %
Human toxicity – non-cancer	1.29e-4 CTUh	0 %
Ionising radiation	4220 kBqU ²³⁵ e	3.97 %
Land use	819498 Pt	6.29 %

Use of mineral and metal resources	0.06 kgSbe	5.98 %
Depletion of the ozone layer	0.05 kgCFC11e	5.00 %
Formation of photochemical ozone	40.86 ngNMVOCe	3.79 %
Particulates	5.95e-4 dis.inc.	7.10 %
Marine eutrophication	19.55 kgNe	2.35 %
Terrestrial eutrophication	177 molNe	2.94 %
Use of water resources	11469 m3	6.74 %

For the ‘freshwater ecotoxicity’ impact category, the modelled impact of organic molecules is doubled compared to the aforementioned Recommendation (EU) 2021/2279.

This modelling also includes the following two impact categories expressed directly in impact points:

Impact category	Materiality
‘Export outside the EU’ category, understood as taking into account the share of textiles worn in France and exported outside the European Union after having been collected	5 000 impact points per 1 kg of clothing not reused after being exported outside the European Union
‘Microfibre emission’ category	1 000 impact points per 1 kg of reference material

For the ‘microfibre emission’ category, a percentage of this reference impact is applied to each material.

Article 6

The modelling includes a durability coefficient, modulating the average number of theoretical days considered during the use phase.

The value of this coefficient varies between 0.67 (CoefD_{min}) and 1.45 (CoefD_{max}).

It is established on the basis of three criteria, the I_{criterion} values of which are calculated by the natural or legal person carrying out the calculation, within the framework provided for in the methodological note referred to in Article 2. These criteria are:

1° the range width, understood as the maximum number of references offered by a brand in the market segment of the product reference under consideration;

2° the incentive to repair, understood as the ratio between the average cost of repair and the reference selling price, and the offer of a repair service;

3° the visible or directly accessible display at the time of purchase of the geographical traceability of the production stages.

Each of the three criteria is weighted as follows within the durability coefficient:

Durability criterion	Weighting
Range width	40 %
Incentive to repair	40 %
Traceability display	20 %

The durability coefficient is calculated according to the following formula:

$$C_{durabilité} = CoefD_{min} + (CoefD_{max} - CoefD_{min}) * \sum_{i=1}^n (Pondération_{critère_i} * I_{critère_i})$$

durabilité	durability
CoefD_min	CoefD_min
CoefD_max	CoefD_max
Pondération_(critère_)	Weighting_(criterion_)

Article 7

The reference parameters included in the modelling are:

- 1° the type of product;
- 2° the mass of the finished product;
- 3° whether the product is remanufactured or not;
- 4° the number of references in the market segment;
- 5° the reference price;
- 6° the size of the undertaking and the repair services offered;
- 7° the visible or non-visible display of the geographical traceability of the production stages;
- 8° the nature and percentage of the materials that make up the product, provided that these materials represent at least 2 % of the total mass of the product and 5 % of the total impact of the modelled product;
- 9° the geographical origin of the raw materials;
- 10° the geographical origin of the spinning stage;
- 11° the geographical origin of the weaving/knitting stage;
- 12° the geographical origin of the finishing or printing stage;
- 13° where applicable, the type of printing applied to the garment;
- 14° the geographical origin of the manufacturing stage;
- 15° where appropriate, the application of a fabric washing process;
- 16° the proportion of air transport;
- 17° the list of accessories integrated into the sales unit, including buttons, zips and underwires.

The parameters mentioned in 1°, 2°, 8°, 11°, 12° and 14° must be provided by the natural or legal person carrying out the calculation of the environmental cost. To enter these parameters, the person performing the calculation uses data specific to the product or product reference, under the conditions provided for by the methodology.

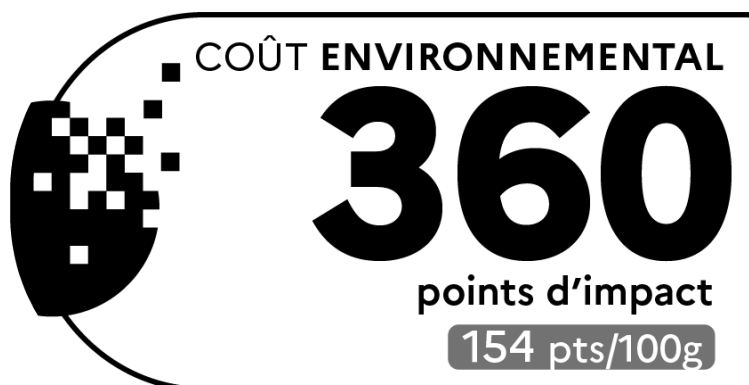
The parameters mentioned in 3°, 4°, 5°, 6°, 7°, 9°, 10°, 13°, 15°, 16° and 17° may be provided by the natural or legal person carrying out the calculation of the environmental cost. To enter these parameters, the person performing the calculation uses data specific to the product or product reference, under the conditions provided for by the methodology. In the absence of such data, they shall enter a default value, under the conditions provided for by the methodology.

Article 8

The calculation of the environmental cost may involve parameters in addition to the reference parameters. The definition of these parameters, and the framework for their use, are specified in a methodological note published on the website of the ministries responsible for the environment and the economy. To enter these parameters, the person performing the calculation uses data specific to the product or product reference, under the conditions provided for by the methodology. In the absence of such data, they shall enter a default value, under the conditions provided for by the methodology. These conditions may include, where appropriate, the use of verification by an accredited third party.

Article 9

The mandatory signage for displaying the environmental cost is the graphic representation below, consisting of the words ‘Environmental cost’ and the pictogram indicating the number of impact points calculated, as well as the same number of points in relation to the mass of the product concerned and expressed per 100 g:



COÛT ENVIRONNEMENTAL	ENVIRONMENTAL COST
points d'impact	impact points
154 pts/100 g	154 pts/100 g

When the display is carried out on a digital medium, a link providing access to all the information made available pursuant to Article R. 541-245 of the Environmental Code is provided.

The characteristics of this signage are set out in a graphic charter, published on the websites of the ministries responsible for the environment and the economy. This signage shall not be altered, irrespective of the legal or natural person using it. Any adjustment to the size of this signage must retain the proportions of the elements.

Where the environmental cost is presented in physical stores or online, the size of this graphic representation shall be at least equivalent to the font size of the price figures in stores.

Where the environmental cost is affixed, by means of marking or labelling, to a unit of product or to its packaging, the size of this graphic representation must be visible and legible.

Regardless of the physical or digital medium used, the size of this graphic representation shall be at least equivalent to that of any other aggregate environmental impact score that is voluntarily communicated on the same product reference.

Article 10

The Commissioner-General for Sustainable Development and the Director-General for Competition, Consumer Affairs and Fraud Control shall each be responsible for the implementation of this Decree, which shall be published in the Official Journal of the French Republic.

The Minister for the Ecological Transition,
Biodiversity, Forestry, the Sea and Fisheries

For and on behalf of the Minister:

The Commissioner-General for Sustainable
Development,

B. HUET

The Minister for the Economy, Finance and
Industrial and Digital Sovereignty

For and on behalf of the Minister:

The Director-General for Competition, Consumer
Affairs and Fraud Control,

S. LACOCHE