

ENVIRONMENTAL PRODUCT DECLARATION



In accordance with ISO 14025 for
WAXED/PARAFFIN ANILINE LEATHER
from **FINCO 1865 S.P.A.**

PROGRAMME:

The International EPD® System
www.environdec.com

EPD REGISTRATION NUMBER:

S-P-07942

PROGRAMME OPERATOR:

EPD International AB

PUBLICATION DATE:

December 21, 2022

VALID UNTIL:

December 21, 2027

An EPD should provide current information and may be updated if conditions change.
The stated validity is therefore subject to the continued registration and publication at
www.environdec.com

PROGRAMME INFORMATION

Programme

The International EPD[®] System

EPD International AB
Box 210 60
SE-100 31 Stockholm
Sweden

www.environdec.com
info@environdec.com

EPDs within the same product category but from different programmes may not be comparable.

Product category rules (PCR): Finished bovine leather, 2011:03, version 3.01, UN CPC 2912

PCR review was conducted by: The Technical Committee of the International EPD[®] System;
Chair of the PCR review: Maurizio Fieschi, info@environdec.com

Independent third-party verification of the declaration and data, according to ISO 14025:2006:

- ☐ EPD process certification
☒ EPD verification

Verified Accreditation Body: Epsten Group, Inc.
101 Marietta St. Suite 2600, Atlanta, GA 30303
Accredited by: EPD International AB

Procedure for follow-up of data during EPD validity involves third party verifier:

- ☐ Yes
☒ No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

COMPANY INFORMATION

Owner of the EPD

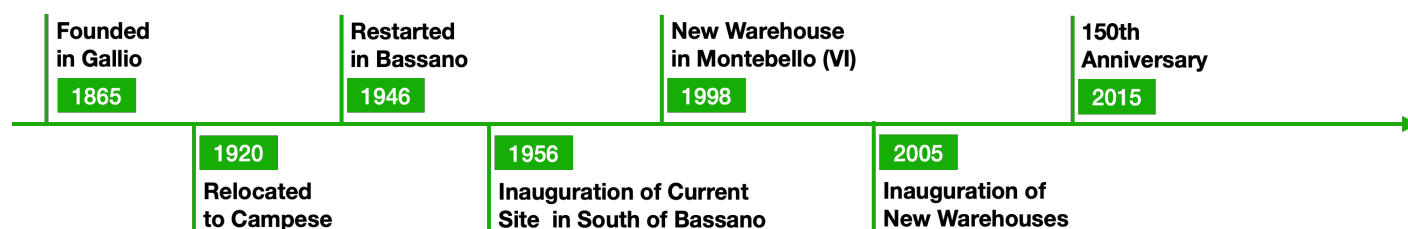
Finco 1865 S.P.A.

rocco.finco@finco1865.it

Via S. Rocco
120, 36061
Bassano del Grappa VI
Vicenza, Italy

Company Description

Tradition, Quality and Reliability are the three words which best describe us. Celebrating over 150 years of History, Conceria Bernardo Finco is the oldest tannery in Italy to be still family run, having recently arrived at its sixth generation. The foundation of Conceria Bernardo Finco is officially dated 1865 in Gallio (Vicenza province), in the suggestive mountains of Asiago plateau, even though reports highlight those tanneries around the area were already active from the 18th Century. The group today is active in both production and sales of bovine leather. Destinations include, for the largest part, upholstery and hospitality/ho.re.ca. sectors, as well as shoe leather, leather garments and automotive as after-market. Characteristics of our products are the exclusively European origin of hides and the commitment for high quality; hence the upper market placement, in the name of reliability and at a competitive price. This is evident in those pure aniline and full grain articles, especially for the waxed and oiled hides, which bear the characteristic "pull-up" effect, very appreciated in the top segments. The markets covered by Finco tannery are mainly North American, Far East and European as well as national market; however long running exchanges have been active in all continents.



Name and Location of Production Site

The Waxed/Paraffin Aniline Leather is produced in the Finco 1865 S.P.A. plant located in Bassano del Grappa VI, Vicenza, Italy.

PRODUCT INFORMATION

Product Name

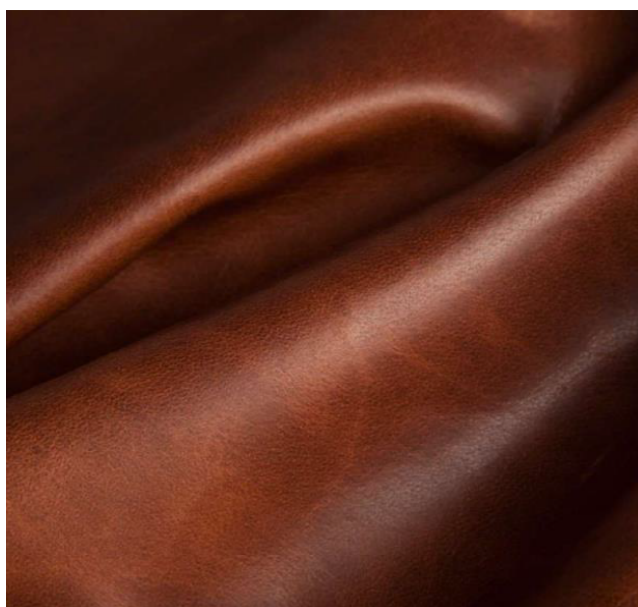
Waxed/Paraffin Aniline Leather

Product Identification

The product is identified as "Other leather, of bovine or equine animals, furless-CPC 2912", according to CPC (Central Product Classification)

Product Description

This product family aims to develop a full body and tactile roundness on the articles. Thanks to the highest quality of full aniline hides and the sheen added by waxes and oils in both dyeing and finishing, all the natural hide details are visible to the naked eye including hides' grain texture, growth marks and smooth surface. Waxed/Paraffin anilines are a flagship for pull-up effect and develop a wonderful patina with ageing.



Sample of Academy Cuero article of this product family

UN CPC Code

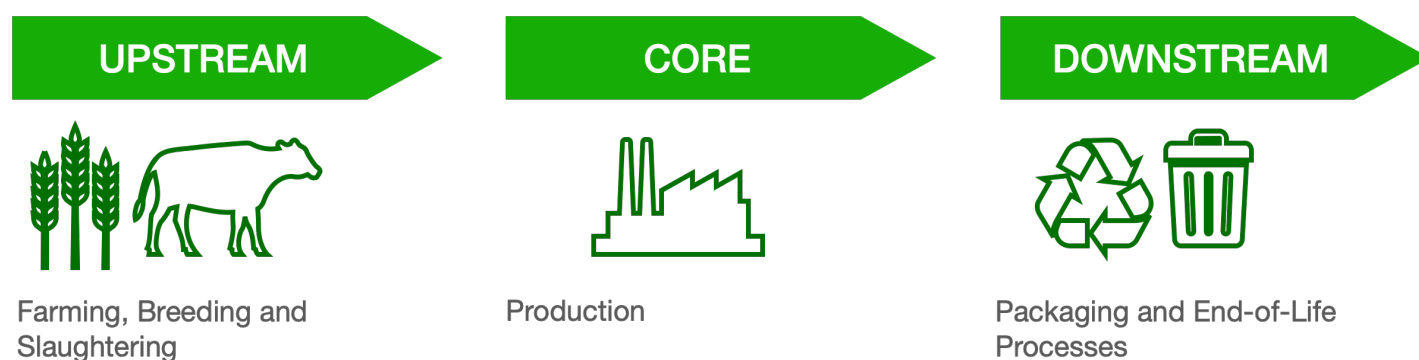
Other leather, of bovine or equine animals, furless- CPC 2912.

Geographical Scope

Global

LCA INFORMATION

Declared unit	The declared unit is the production of 1 m ² of "finished bovine leather", measured according to ISO standard 11646.
Reference flow	1.58 kg/m ²
Product thickness	1.0-1.2 mm (>70%), 1.4-1.6mm (>25%), 0.8-0.9mm or 2.0-2.2mm (<5%)
Time representativeness	2020
Database(s) and LCA Software used	Agrifootprint 5.0, Ecoinvent 3.6, SimaPro 9.1.1.7 Generic data were used for upstream hide production.



System Diagram

UPSTREAM Processes

- Raw materials extraction for farming and cattle breeding
- Farming
- Cattle breeding
- Transportation of animals to the slaughterhouse
- Slaughterhouse
- Production of chemicals and accessories used to manufacture leather
- Production of primary and secondary packaging materials

CORE Processes

- Transportation of raw materials to the production factory
- Electricity and heat energy consumption in the production stage
- Fresh water consumption in the production stage
- Maintenance activities
- Processes required for manufacturing the finished bovine leather
- Emissions to air and water
- Production waste
- Transportation of waste and by-products

DOWNSTREAM Processes

- End-of-life of the packaging used to ship the finished leather

Description of System Boundaries (as specified by the PCR)

Cradle-to-Grave

Excluded Lifecycle Stages (as required by the PCR)

- Transportation of the finished leather to the customer
- Use phase
- End-of-life of the finished product

More Information

LCA practitioner:
WAP Sustainability Consulting

CONTENT DECLARATION

Product

Chemicals in finished bovine leather subjected to legal limits. The production of the below substances falls under the upstream life cycle stage, while the use of them in manufacturing occurs in the core life cycle stage. The total of all chemicals is less than 1% of the total mass, by gross weight.

Substance	Units of Measurement (parts per million)	Total	Legal Limits
Chrome	ppm	<3	3 ppm
Formaldehyde	ppm	N.D.	75 ppm
Pentachlorophenol	ppm	N.D.	5 ppm
Azo Dyes	ppm	N.D.	30 ppm

Packaging

Distribution packaging of the finished product.

Material	Unit	Quantity	Recycled content
Wood pallet	kg/m ²	0.152	Not applicable
Cardboard box	kg/m ²	0.073	Not specified
Paper documentation	kg/m ²	0.017	Not specified
PE film	kg/m ²	0.008	Not specified

ENVIRONMENTAL PERFORMANCE



Potential Environmental Impact [EN 15804+A2]

Parameter		Unit	Upstream	Core	Downstream	TOTAL
Global Warming Potential (GWP)	Fossil	kg CO ₂ Eq.	12.5	1.03	0.00321	13.5
	Biogenic	kg CO ₂ Eq.	0.406	0.568	7.98	8.96
	Land Use and Land Change	kg CO ₂ Eq.	1.04	0.000191	9.40 x 10 ⁻⁷	1.04
	TOTAL	kg CO ₂ Eq.	13.9	1.59	7.99	23.5
Acidification Potential (AP)		Mol H ⁺ Eq.	0.588	0.00273	0.0000184	0.591
Eutrophication Potential (EP) - Freshwater		kg P Eq.	0.00394	0.000172	4.38 x 10 ⁻⁷	0.00411
Eutrophication Potential (EP) - Marine		kg N Eq.	0.218	0.00219	0.0000624	0.220
Eutrophication Potential (EP) - Terrestrial		mol N Eq.	2.56	0.00587	0.0000683	2.56
Formation Potential of Tropospheric Ozone (POCP)		kg NMVOC Eq.	0.0524	0.00173	0.0000235	0.0541
Ozone Depletion Potential (ODP)		kg CFC-11 Eq.	4.60 x 10 ⁻⁷	1.14 x 10 ⁻⁷	6.83 x 10 ⁻¹⁰	5.70 x 10 ⁻⁷
Abiotic Depletion Potential (ADP) - Elements		kg Sb Eq.	0.000130	2.01 x 10 ⁻⁶	2.17 x 10 ⁻⁸	0.000130
Abiotic Depletion Potential (ADP) - Fossil Resources		MJ, net calorific value	118	14.3	0.0509	132
Water Deprivation Potential (WDP)		m ³ , Eq.	19.9	-2.88	0.00220	17.1

Use of Resources

Parameter		Unit	Upstream	Core	Downstream	TOTAL
Primary Energy Resources – Renewable	Used as Energy Carrier	MJ, net calorific value	103	1.30	0.000793	104
	Used as Raw Materials	MJ, net calorific value	0	0	0	0
	TOTAL	MJ, net calorific value	103	1.30	0.000793	105
Primary Energy Resources – Non-Renewable	Used as Energy Carrier	MJ, net calorific value	118	14.3	0.0509	132
	Used as Raw Materials	MJ, net calorific value	0	0	0	0
	TOTAL	MJ, net calorific value	118	14.3	0.0509	132
Secondary Material		kg	0	0	0	0
Renewable Secondary Fuels		MJ, net calorific value	0	0	0	0
Non-Renewable Secondary Fuels		MJ, net calorific value	0	0	0	0
Net Use of Fresh Water		m ³	0.540	-0.0662	0.0000534	0.474

Waste Production

Parameter	Unit	Upstream	Core	Downstream	TOTAL
Hazardous Waste Disposed	kg	0.000480	0.0000252	7.78×10^{-8}	0.000504
Non-Hazardous Waste Disposed	kg	0.838	0.0950	0.233	1.17
Radioactive Waste Disposed	kg	0.000190	0.0000185	3.09×10^{-7}	0.000204

Output Flows

Parameter	Unit	Upstream	Core	Downstream	TOTAL
Components for Reuse	kg	0	0	0	0
Material for Recycling	kg	0	0.363	0	0.363
Materials for Energy Recovery	kg	0	0	0	0
Exported Energy, Electricity	MJ	0	0	0	0
Exported Energy, Thermal	MJ	0	0	0	0

REFERENCES

- General Programme Instructions of the International EPD® System. Version 3.01.
- PCR 2011:03. Finished Bovine Leather. Version 3.01
- ISO 11646:2014, Leather - measurement of area
- Agri-footprint version 5.0
- Ecoinvent version 3.6
- EN 15804+A2, CEN 2019.