

GIORGIO ARMANI

Sustainability requirements for materials and processes

Guidelines for preferred materials

VERSION

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SUSTAINABILITY DEPARTMENT
ARMANI GROUP



Introduction

With the goal of **minimizing industrial waste** and **reducing its environmental impact**, the Armani group has intensified its research aimed at using materials of organic origin or obtained through recycling or regeneration, as well as second-generation raw materials.

The Armani group's brands are committed to the selection of sustainable raw materials through the increasing use of organic and recycled materials.

In 2021, the group drafted those updated guidelines replacing the previous ASP (Armani sustainability project) protocol and integrating it with new protocols, standards, and sustainability certifications. In particular:

- they provide instructions for each type of material and are a reference for internal departments – from design, research and development, to manufacturing and merchandising – and for suppliers.
- they refer to “**preferred materials**”, according to the definition of Textile Exchange: “A fiber or raw material that delivers consistently reduced impacts and increased benefits for climate, nature, and people against the conventional equivalent, through a holistic approach to transforming production systems.”
- they take into account international standards, although the group often goes beyond them.

SUMMARY TABLE FOR MATERIALS, PROCESSES AND CERTIFICATIONS

Natural Raw Materials				
Sustainability Attribute	Material	Certifications / Protocols / Standards / Brands / Programs		Recommended % of Main Material
Organic Material or from Organic Agriculture	Cotton, Linen, Hemp, Silk, Cashmere, Wool	GLOBAL ORGANIC TEXTILE STANDARD (GOTS)		70% (also in mix)
		ORGANIC CONTENT STANDARD (OCS) / OCS blended		
		REGENAGRI®		
Material from Regenerative Agriculture	Linen	EUROPEAN FLAX®		-
Material from "Responsible Agriculture"	Cotton	BETTER COTTON INITIATIVE (BCI)		-
		FAIRTRADE USA		-
		COTTON MADE IN AFRICA		-
		REGENERATIVE ORGANIC CERTIFIED™		-
Environmental, chemical and social aspects	Wool	RESPONSIBLE WOOL STANDARD (RAF)		-
		ZQ NATURAL FIBRE		-
		GLOBAL ANIMAL PARTNERSHIP		-
		RSPCA ASSURED		-
		SUSTAINAWOOL		-
		AUTHENTICO		-
		NATIVA™		-
		LABEL ROUGE VIANDES		-
Animal Welfare	Mohair	RESPONSIBLE MOHAIR STANDARD (RAF)		-
	Alpaca	RESPONSIBLE ALPACA STANDARD (RAF)		-
Traceability	Cashmere	GOOD CASHMERE STANDARD® by (AbTF)		-
		SUSTAINABLE FIBRE ALLIANCE (SFA)		-
		AGRONOMES ET VÉTÉRINAIRES SANS FRONTIÈRES (AVSF)		-
		GREEN GOLD PROJECT		-
Environmental, chemical and social aspects (no heavy metals)	Down	RESPONSIBLE DOWN STANDARD		-
		GLOBAL TRACEABLE DOWN STANDARD (TDS)		-
		EDFA CODE OF CONDUCT AND TRACEABILITY STANDARD		-
	Leather	LEATHER WORKING GROUP (Audited, Bronze, Silver, Gold)		-
		ICEC TS SC410 ICEC TS PC412		-
	Pearl and Mother of Pearl	AQUACULTURE STEWARDSHIP COUNCIL (ASC)		-

Other certifications on the procurement of fibers from goat, sheep	- CERTIFIED GRASSFED & ANIMAL WELFARE APPROVED BY AGW - CERTIFIED HUMANE - RSPCA ASSURED - CERTIFIED KAROO MEAT - ORGANIC CERTIFICATION OUTSIDE THE EU - RED TRACTOR - IP SUISE - WOOLWORTHS FREE RANGE LAMB - FARM ASSURED NAMIBIAN (FAN) MEAT
Other certifications on the procurement of leather	- EU ORGANIC CERTIFICATION - BETER LEVEN - LABEL ROUGE VIANDES - CERTIFIED GRASSFED & ANIMAL WELFARE APPROVED BY AGW - CERTIFIED HUMANE - RSPCA ASSURED – FOR BEEF & CALVES - LE VEAU SOUS LA MÈRE - CREMBA - CLASSYFARM - ORGANIC CERTIFICATION OUTSIDE THE EU - ANIMAL WELFARE CERTIFIED - NATURA-BEEF, NATURA-VEAL, SWISSPRIMBEEF - RED TRACTOR - IP SUISE - VEAL CARREFOUR QUALITY SCHEME - RAINFOREST ALLIANCE CERTIFIED - CERTIFIED AMERICAN GRASSFED - CERTIFIED PASTUREFED - CARNES DEL PASTIZAL - ABPO PANTANAL ORGANICO - CERTIFIED NATURAL BEEF & VEAL - BIRD FRIENDLY BEEF - AGRICUALITA

Recycled Raw Materials				
Criteria	Material	Certifications / Protocols / Standards / Brands / Programs		Recommended % of Main Material
Recycled Material Environmental, chemical and social aspects	Natural Fibers (Down, Cashmere, Cellulosic Materials, Cotton, etc.) Synthetic Fibers (Nylon, Polyester, etc.)	GLOBAL RECYCLED STANDARD (GRS)		50% (also in mix)
		RECYCLED CLAIM STANDARD (RCS)		
		FSC RECYCLED		
		CARDATO RECYCLED		
		RE-VERSO™		
	Synthetic Fibers (Nylon, Polyester, etc.)	BLUE ANGEL DE-UZ 193		80%
		PLASTIC SECOND LIFE (PSV)		30%
		EUROPEAN CERTIFICATION OF PLASTICS RECYCLERS (EUCERTPLAST)		-

Cellulosic Materials				
Criteria	Material	Certifications / Protocols / Standards / Brands / Programs		Recommended % of Main Material
Responsible forest management (social, environmental, economic criteria)	Paper Wood	FOREST STEWARDSHIP COUNCIL (FSC)		-
		PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION SCHEMES (PEFC)		
Responsible forest management (social, environmental, economic criteria) + Low environmental impact process	Viscosa / Rayon (bamboo viscose) Lycell (eucalyptus viscose) Modal (beech viscose) Lantal (milk viscose) Cellulose Acetate / Triacetate Natural rubber fibers	RAW MATERIAL	FOREST STEWARDSHIP COUNCIL (FSC)	-
		RAW MATERIAL	PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION SCHEMES (PEFC)	-
		RAW MATERIAL + PROCESS	EU Ecolabel	-
		RAW MATERIAL + PROCESS	LENZING, BIRLA, EASTMAN or other supplier with a minimum score of 25 on CANOPY STYLE: https://hotbutton.canopyplanet.org/	-

Biobased Materials					
Criteria	Material	Certifications / Protocols / Standards / Brands / Programs		Recommended % of Main Material	
Bio-based	Bioplastics	USDA CERTIFIED BIOBASED PRODUCT		50% BUT 20% acceptable	
		OK biobased			
		DIN-Geprüft Biobased			
		Bio-based content			
		ASTM D6866			-
		EN 16640:2017			-
		EN 16785-1:2015			-
		CEN/TS 16137:2011			-
Biodegradable / Compostable		OK biodegradable Soli – Marine – Water		-	
		OK compostable		-	
		Biodegradability: ISO 1485			-
		Biodegradability: ISO 17556			-
		Biodegradability: EN 13432			-
		Biodegradability: ISO 14855			-
	Biodegradability: EN 14046			-	
	Biodegradability: ASTM 6400-04			-	
	Compostability: EN 13432			-	
	Compostability: EN 14995			-	
	Compostability: D6400			-	
	Compostability: ISO 17088:2008			-	
	Compostability: EN 14045			-	

GENERAL CERTIFICATIONS

ISO 45001 Occupational health and safety
ISO 14001 Environmental health and safety
SA 8000 Social issues
EMAS Environmental health and safety
ISO 50001 Energy management
WRAP Social issues
EU Ecolabel Environment, social, chemicals, traceability

TEXTILE PROCESSING

BLUESIGN
OEKO TEX STEP
OEKO TEX "STANDARD 100 PLUS" (100 AND STEP)
CRADLE TO CRADLE
OEKO TEX STANDARD 100
NORDIC SWAN
EU ECOLABEL
GOTS

CERTIFICATIONS ON BUILDINGS

Leadership nella progettazione energetica e ambientale (LEED)
Green Globe Certification
Building Management System (BMS)
Building Energy Management System (BEMS)
Global Sustainability Assessment System (GSAS)

LEATHER PROCESSING

LWG certification for leather manufacturers
LWG Chemical Management Module (CMM)
Naturleder Certification (Natural Leather)
ICEC – Traceability
TS SC 410 for "products system in tanneries"
ICEC – Traceability
TS PC 412 for "single product in tanneries"
CSCB certification
Oeko-Tex Leather Standard
Ecopelle / Ecoleather (UNI 11427:2015)
UNIC social accountability
LWG certification for leather traders

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