



NEW MATERIALS FOR A NEW SUSTAINABLE WORLD

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# Alga Carta

BIODEGRADABLE  
RECYCLABLE  
ACID FREE  
SUPPORT THE ENVIRONMENT  
RENEWABLE ENERGY SOURCES

- > Alga Carta is made from algae from the Venice lagoon, which would otherwise clog up fragile marine areas, combined with FSC pulp.
- > Made with Energia Pura that supports the development of electrical energy production coming from renewable sources.
- > Alga Carta conforms to ISO 9706 requirements for stability and it is suitable for applications requiring “Acid-Free” paper.
- > It is fully biodegradable and recyclable.

Cod.	Height	Widht	Weight	Colour
ALGP090	100 cm	70 cm	90 gsm	Avory
ALGP350	100 cm	70 cm	350 gsm	Avory



# Cypress yarn

ANTIBACTERIAL  
ODOUR CONTROL  
INSECT REPELLANT and ANTI MOULD  
RELAXING  
SUSTAINABLE

- > Cypress yarn is born from an investigation on **natural fibres** and their impact on people's skin health.
- > It comes from an eastern cypress tree variety, whose fibre holds particular qualities which make it particularly good for skin-to-skin applications, including **antibacterial** and **antiseptic** properties.
- > Thanks to its relaxing properties, cypress fibre is considered a "therapeutic" tool according to the feng-shui principles.
- > It has been tested, following the UNI EN ISO 20645, for antibacterial efficiency of Cypress/Cotton fabric against *Klebsiella pneumoniae* and *Staphylococcus aureus*. A **bacterial growth reduction** of up to 60% and 85%, respectively.

Cod.	Composition	Count	Weight	Colour
CYPR	15% cypress 85% organic cotton	36/1	1250 gr each spool	Natural



# Cypress denim

ANTIBACTERIAL  
ODOUR CONTROL  
INSECT REPELLANT and ANTI MOULD  
RELAXING  
SUSTAINABLE

- > Cypress denim is born from an investigation on **natural fibres** and their impact on people's skin health.
- > It comes from an eastern cypress tree variety, whose fibre holds particular properties which make it particularly good for skin-to-skin applications, including **antibacterial** and **antiseptic** qualities.
- > Thanks to its relaxing properties, cypress fibre is considered a "therapeutic" tool according to the feng-shui principles.
- > The cotton used in the Denim is ECOTEC®, a cotton production cycle which is fully **traceable and made in Italy**, using 100% pre-dyed leftovers from the textile industries.
- > It has been tested, following the UNI EN ISO 20645, for antibacterial efficiency of Cypress/Cotton fabric against Klebsiella pneumoniae and Staphylococcus aureus. A **bacterial growth reduction** of up to 60% and 85%, respectively.

Cod.	Composition	Height	Weight	Colour
CYPR-DEN	6% Cypress 94% Recycled Cotton	164 cm	125 gsm	Denim



# Nettle yarn

ECO-AGRICULTURE  
BIODEGRADABLE  
THERMAL INSULATOR  
NO CHEMICALS  
PRODUCTION DIVERSIFICATION

- > Nettle is an interesting **ecological alternative** to other natural fibers such as hemp, linen and cotton.
- > Stinging nettle (*Urtica dioica*) has been used for the production of yarns and fabrics since ancient times. It is known that during the First and the Second World War the nettle was used as a substitute for cotton, because of its shortage, and, back to the late eighteenth century, the uniforms of Napoleon's army were woven from nettle fibres.
- > Stinging nettle is a **perennial plant that thrives in highly nitrogenous and fertilized soils**, making it a viable solution to the existing agricultural problems of over-production, over-fertilization and monocultures.
- > Its fibers are a **natural thermal insulator** thanks to their **hollowed structure** and the plant is also **resistant to diseases and pests**, so they do not need any chemical treatments.

Cod.	Composition	Count	Weight	Colour
NETT6040-170	60% Nettle 40% Modal	10/1	1,7 Kg each spool	Natural
NETT6040-160	60% Nettle 40% Modal	10/1	1,7 Kg each spool	Natural



# Nettle denim

ECO-AGRICULTURE  
BIODEGRADABLE  
THERMAL INSULATOR  
NO CHEMICALS  
PRODUCTION DIVERSIFICATION

- > Nettle is an interesting **ecological alternative** to other natural fibers such as hemp, linen and cotton.
- > Stinging nettle is a **perennial plant that thrives in highly nitrogenous and fertilized soils**, making it a viable solution to the existing agricultural problems of over-production, over-fertilization and monocultures.
- > Its fibers are a **natural thermal insulators**, thanks to their **hollowed structure**. The plant is also **resistant to diseases and pests**, so they do **not need any chemical treatments**.
- > The Nettle's denim is made out of nettle fibres and recycled cotton yarns. The cotton used in this denim is ECOTEC®, which has a fully **traceable and made in Italy production cycle**, and it uses **100% pre-dyed leftovers from the textile industries**.

Cod.	Composition	Height	Weight	Colour
NETT-DEN	24% Nettle 61% Recycled cotton 15% Modal	172 cm	340 gsm	Denim



# BioGreen padding

100 % NATURAL  
RENEWABLE  
HEAT RESISTANT  
VEGAN  
BACTERIA RESISTANT

- > BioGreen padding is a unique and high-efficiency padding polymer, all 100% made from natural and renewable resources which are partly obtained from recycled vegetable materials and partly from organic renewable sources. The carded padding has outstanding performances, its heat resistance is, in fact, much higher than common polyesters so it is particularly suitable for fabrics heat welding.
- > No oil and no animals are involved in its production at all.
- > Thanks to a particular checkering technique it has a filling power (certified between 750 and 770 F.P. index) similar to goose down and it is made by hollowed fibers that have a much more insulating power than the oil-derived, artificial, polyesters.
- > A part of its manufacturing process is finalized to avoid bacteria proliferation and the product is certified Oeko tex standard 100 REACH which covers:

Cod.	Weight	Colour
BGPP250	250 gr	White
BGPP500	500 gr	White





# Wood Wool

100 % NATURAL  
RENEWABLE  
HEAT RESISTANT  
VEGAN  
BACTERIA RESISTANT

- > Wood Wool is a **biodegradable cellulosic fiber** that comes from the wood pulp of **sustainably managed forests**.
- > It has an extraordinary soft touch thanks to its **innovative production process** which makes it perfect for knitting applications
- > It is naturally **hypoallergenic and animal free**.

Cod.	Composition	Weight	Lenght	Colour
WDWL-BK	100% Lyocell	100 gr	100 mt	Black
WDWL-CR	100% Lyocell	100 gr	100 mt	Coral
WDWL-EM	100% Lyocell	100 gr	100 mt	Emerald
WDWL-GR	100% Lyocell	100 gr	100 mt	Grey
WDWL-LB	100% Lyocell	100 gr	100 mt	Light blue
WDWL-PM	100% Lyocell	100 gr	100 mt	Pale mauve



# Banana Paper

FROM WASTE SOURCES  
RECYCLABLE  
STRENGTH  
WATER RESISTANT  
FIRE AND TEAR RESISTANT

- > Banana trees are rapidly **renewable** and continuously regenerate themselves all year round.
- > Usually, the trees are left in the jungle as **unwanted waste**. On Kosrae island, over 75 local farmers collect the trees and give them to us. That's why we call it "waste to wealth". Banana fibers come from the large trunk of the plant. It gives strength to banana trees so it can hold up the heavy fruits! Banana fibers are strong and beautiful and have been used for thousands of years throughout the islands in rope making and weaving.
- > The paper is cruelty-free, bleach-free, tree-free and the fibers are **naturally water, fire and tear resistant** and **recyclable**.
- > Rainwater is collected onsite and used for all water needs and any plant waste is reuse as a soil additive in banana farms.

Cod.	Height	Widht	Weight	Colour
BNPP180	76 cm	56 cm	180 gsm	Natural



# Banana skin

FROM WASTE SOURCES  
RECYCLABLE  
STRENGTH  
WATER RESISTANT  
FIRE AND TEAR RESISTANT

- > It is an hand-made sheet that is obtained from eco-friendly fibers of banana trees.
- > Unlike most fruit trees, banana trees produce fruit just once. The plant, after the harvest, must be chopped down and it will grow again from its base.
- > The fibers are naturally water, fire and tear resistant and recyclable.
- > It can be treated with wax or other water repellants for a very long lifetime.

Cod.	Height	Widht	Weight	Colour
BNPP180	76 cm	56 cm	180 gsm	Natural



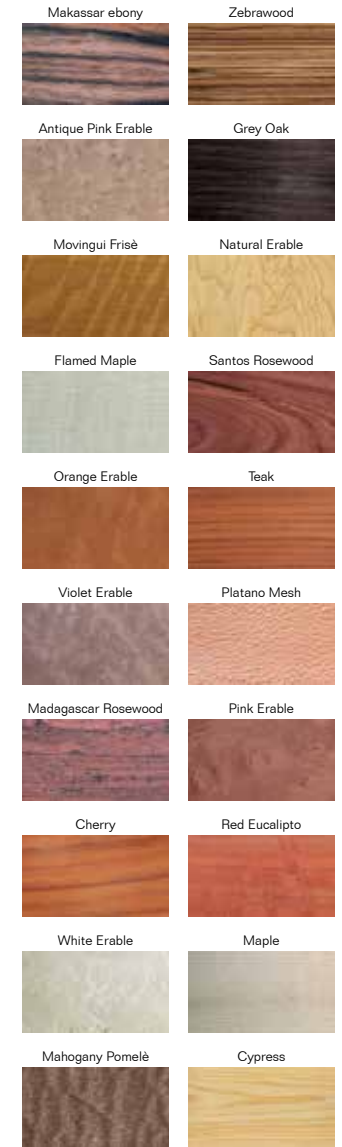
# TreeLayer

FLEXIBLE  
SEWABLE  
WASHABLE  
CITES AND FSC/PEFC CERTIFICATION  
ABRASION RESISTANT

- > TreeLayer is an **alternative to animal leather**. With a special treatment, the wood becomes flexible, sewable and washable.
- > It is 98% flexible in the direction of the wood grain and transversely to it, not thermo-formable but resistant up to 80°C. It can be engraved with a laser. It is **water-resistant** therefore washable and it is sewable by hand or machine just like a normal leather. It is soft to touch like leather. Cypress TreeLayer is backed with his mate cypress fabric. It is suitable for accessories as belts, bags, clothes inserts, shoes and leather-alternative goods as well as in interior design and decoration.
- > The wood comes only from **sustainable forests** to ensure the respect of the environment and the trees life cycle through a rational and controlled use, supporting the necessary recycling and reforestation. The material is certified CITES (Convention on International Trade of Endangered Species) and FSC/PEFC (Forest Stewardship Council).
- > It is backed with cypress fabric (50% cotton, 50% cypress).

Cod.	Height	Width	Thickness*	Colour
WDSK-CYP125	125 cm	28 cm	0,6 mm	Natural
WDSK-CYP025	25 cm	28 cm	0,6 mm	Natural

\* without the backing material



# MuSkin

UNIQUE MATERIAL FROM THE NATURE  
ANIMAL FREE AND CRUELTY FREE  
OIL FREE  
ETHICAL  
HARD OR SOFT TOUCH AVAILABLE

- > MuSkin is a 100 % vegetable alternative to animal leather. It comes from the Phellinus ellipsoideus, a large parasitic fungus that grows in the wild attacking trees in the subtropical forests.
- > MuSkin's soft surface has a suede-like touch and its consistency, or texture, goes from soft to slightly harder as cork.
- > The total absence of toxic substances makes MuSkin ideal for close-to-skin applications and thanks to its very natural origin and to the presence of endemic penicillins, it can limit bacteria proliferation.
- > MuSkin has the capacity to absorb moisture and then to release it in a short time, just like a piece of fabric. It is not waterproof in its natural form, but it can be treated with eco wax. Every piece is a unique product from our Earth.
- > We suggest to couple or laminate MuSkin with other backing materials as fabrics or paper to increase its mechanical strength.



# Denim paper

DENIM WASTE  
HANDMADE  
WASHABLE  
SEWABLE  
CRAFT PROCESS

- > Denim paper gives a **second life** to a valuable material that, at the end of its life, live again thanks to the paper production process. Paper denim is fully made from denim waste with the highest environmental values, strictly **handmade** and according to the craft tradition.
- > **No chemical additives** are used in the whole process which is carried out through ancient handmade methods together with current **ecological** needs.
- > Denim paper is **sewable** and **washable** (maximum 30° in a washing machine).
- > It is suitable for inkjet, offset, gold press and calligraphy technique.
- > Available on request from 70 grm<sup>2</sup> a 900 grm<sup>2</sup>.

Cod.	Height	Widht	Weight	Colour
DNPP200	76 cm	56 cm	200 gsm	Denim blue*

\* the blue tone can change based on the batch of denim waste used



# Hemp paper

NO CHEMICAL ADDITIVES  
HANDMADE  
WASHABLE  
SEWABLE  
CRAFT PROCESS

- > Hemp paper is made of 100% hemp fibers with the highest **environmental values**, strictly **handmade** and according to the ancient craft tradition.
- > **No chemical additives** are used in the whole process which is carried out through ancient handmade methods together with current **ecological needs**.
- > Hemp paper is **sewable** and **washable** (maximum 30° in a washing machine).
- > It is suitable for inkjet, offset, gold press and calligraphy technique.
- > Available on request from 70 gsm a 900 gsm.

Cod.	Height	Widht	Weight	Colour
HMPP200	76 cm	56 cm	200 gsm	Natural



# Plantable paper

100% RECYCLED COTTON  
NO CHEMICAL ADDITIVES  
NO BLEACHING OR WHITENERS AGENTS  
COMPOSTABLE  
CRAFT PROCESS

- > Plantable paper is made of 100% recycled cotton cellulose without any chemical additives nor bleaching or whiteners agents and it has neutral Ph to ensure long-term inalterability.
- > Hidden among the cellulose, this paper contains small fields grass seeds, therefore it is air-dried to maintain the seeds preserved and alive.
- > The Plantable paper can be planted both in the ground (with but with little soil on top) or directly in a cotton pad, it is important to keep it moist, not drowned. During summertime, it takes about 10 days to grow, during wintertime, keeping it at home, it takes around 15/20 days.
- > It is suitable for inkjet, offset, gold press.
- > Available on request from 300 gsm a 900 gsm.

Cod.	Height	Widht	Weight	Colour
PLPP300	76 cm	56 cm	300 gsm	White





# Bio Aerogel

RECYCLED PAPER  
ENVIRONMENTALLY FRIENDLY  
MULTIFUNCTIONAL AEROGEL  
ULTRA LIGHT  
BIODEGRADABLE

- > Bio Aerogel is made of 85% of recycled paper, it is non-toxic and biodegradable.
- > Like all aerogels, Bio Aerogel is ultra-light, 98.2% of this material is air ( density of  $0.04 \text{ g} \cdot \text{cm}^{-3}$ ).
- > Its production is easy, fast and not expensive, and it also has a low impact on the environment, its production uses 70% less energy than traditional aerogels.
- > It is naturally hydrophilic but can be easily made hydrophobic and water repellent by a surface treatment.



# Cocother

COMPOSTABLE AND RECYCLABLE  
SUSTAINABLE AND VEGAN  
STRONG, BREATHABLE AND FLEXIBLE  
WATER RESISTANT  
HEALTHY

- > Cocother is a **biocomposite** material made from **bacterial cellulose** grown on agricultural waste sourced from the coconut industry.
- > It is entirely made out of cellulose created by bacteria and vegetable fibers. All ingredients that go into Cocother production can **biodegrade** in the compost within 90 days. Cocother is completely **vegan** and because it is made from cellulose fibres it can be recycled into paper products.
- > Its strength is comparable to vegetable tanned leather of similar thickness. Cocother is a quite porous material, it has a semi-soft temper, similar to vegetable tanned leather and it is water-resistant. It contains absolutely no artificial substances and it will not cause any allergies, intolerances or illness.

Cod.	Height	Width	Weight	Colour
CCTH-120LB	120 cm	80 cm	450 cm <sup>2</sup>	Light blue
CCTH-040LB	40 cm	40 cm	450 cm <sup>2</sup>	Light blue
CCTH-120NB	120 cm	80 cm	450 cm <sup>2</sup>	Navy blue
CCTH-040NB	40 cm	40 cm	450 cm <sup>2</sup>	Navy blue
CCTH-120DR	120 cm	80 cm	550 cm <sup>2</sup>	Light red
CCTH-040DR	40 cm	40 cm	550 cm <sup>2</sup>	Light red
CCTH-120DR	120 cm	80 cm	550 cm <sup>2</sup>	Dark red
CCTH-040DR	40 cm	40 cm	550 cm <sup>2</sup>	Dark red

