

FURLANIS: PAPER WOVEN RIBBONS

CRITERIA APPLICABLE TO THE INNOVATION

- Recyclable packaging
- Compostable/biodegradable material
- Reusable packaging
- Reduced raw material use
- Conscious design
- Responsible sourcing
- Reduces waste
- Reduces water use
- Energy efficient
- Reduces CO2Carbon neutral

DESIGN

Paper woven ribbons are innovative textiles, they are light, soft to the touch, they can be woven with all textiles design in any size, they have an excellent affinity for dyeing, they can be customised by printing, they are washable and very durable although they are 100% made of pure paper FSC certified

REDUCTION MATERIALS

Paper textile ribbons are suitable for mono material packaging, although they are woven like traditional fabrics, they can be FSC certified, they are biodegradable, they are disposable in PAP22 waste (with paper) while other FSC textiles made of cellulose (Tence, Rayon, Viscosa, Modal...) cannot.

Production also requires less water compared to cotton and other artificial cellulose textiles.

PROCESS OF PRODUCTION

How Furlanis reduced CO2 emissions:

- 300 KW photovoltaic system on roof
- Underfloor water/water geothermal system with heat pump for heating and cooling of the entire plant
- Insulation coat and new insulating windows over the entire production plant, re-roofing of industrial hall with insulation and new LED lighting
- New efficient producing lines

SUPPLY CHAIN

Furlanis has a supply chain consolidated over fifty years of activity and has used such financial solidity as to allow the purchase of raw materials directly from the manufacturers, in containers of raw yarns of different counts and compositions, which are then stored in its warehouses.

All processing stages (warping, weaving, dyeing, printing and packaging) are then carried out in its own Italian factory and the ready-made ribbons are sent to end users, without intermediate steps if not required, thanking also Furlanis' production planning, developed for both very large and very small orders.

MARKET ADAPTABILITY

Today, through state-of-the-art and high-tech plants, the paper yarn production system has improved in both production capacity and industrial costs, making it an environmentally sustainable product suitable for large-scale use.

Manila hemp, the material paper textile are made of, is an excellent absorber of carbon dioxide due to its high sustainability, being a fast-growing plant that takes only 3 years to mature to a height of 5-6 metres and for whose cultivation no chemical fertilisers or pesticides are used.

END OF LIFE

Paper textiles, which are biodegradable, can be disposed of in the PAP22 waste paper collection, making them particularly suitable for luxury packaging projects, combining the eco-sustainability of recyclable paper with the quality of textile fabrics.

In addition, paper packaging is all mono material, as it does not have to separate wrapping/box/bags/shoppers... from woven ribbons.

The main point of strength of paper ribbon is the fact that, if it were to be 'incorporated' into a packaging system, it would allow the entire wrapper to be destined for paper recycling without being disassembled into its various components, while retaining, as a woven product, its own valuable characteristics.

