



**J.A. Raymakers & Co. B.V.**  
**Royal Dutch Textile Mills**

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*Green*  
RAYMAKERS



# Green RAYMAKERS

## ENVIRONMENTAL POLICY

At Raymakers we strive to reduce the environmental impact of our production and work processes on a continuous basis. Our goal is to develop the best in functional design whilst ensuring a profitable operation, fashionable products and a minimum impact on the environment. Investments in new technology are assessed on their improvement on the quality and efficiency of our production, health and safety of our people and a reduced impact on the environment.

We have established high standards for our products and production, which ensure that the environment is continually considered and spared as much as possible. Raymakers complies with all relevant and stringent Dutch legislation and European regulations and standards in respect to functional requirements, the environment and safety. Moreover, our own environmental requirements aim to prevent the unnecessary use of resources, to reduce and prevent pollution, while ensuring good health and safety at work. Raymakers also requires strict environmental standards beyond our own framework to ensure that the products and services received, meet our environmental requirements.

## ECO-FRIENDLY PRODUCTION

Raymakers has pioneered new methods and technology for eco-friendly production and continuously seeks for improvements on this. Our products and processes comply with the requirements of the European "Flower" label. This guarantees a product life cycle, which is amongst the best in the market and a sustainable, eco-friendly production.

## ENVIRONMENTAL REQUIREMENTS RELATING TO THE MAIN YARN QUALITIES WE USE IN OUR WEAVING:

**Cotton;** we set requirements for content of residues of pesticides due to cotton farming and storage. Cotton fields are sprinkled with weed

killer and insecticides within fixed limits. Our organic cotton is free of pesticides and certified by Control Union. (formerly SKAL)

**Trevira CS (polyester);** we set requirements for antimony amount in the fibres. Our Trevira CS yarn is 100% recyclable.

**Viscose/Modal (cellulose);** we set requirements for AOX content in fibres as well as fixed limits for sulphur emissions

**Silk;** Silk production is a natural process by caterpillars feeding themselves with leaves of the mulberry tree.

**Linex;** Flax farming needs 5 times less fertilizers and pesticides than cotton. It's processing into fibre is purely mechanical with a minimal impact on the environment.

Our sizing products are natural based and biodegradable within our standard waste water purification processes.

## ENVIRONMENTAL REQUIREMENTS RELATING TO THE PROCESS AND CHEMICALS USED IN OUR FINISHING:

We only use textile chemicals for dyeing and finishing which are approved by RIZA, the Dutch governmental Institute for fresh water management and waste water treatment. We fully follow the REACH instructions of our suppliers. Furthermore;

- We do not use AZO dyes, which may split off carcinogenic acryl amides.
- We do not use dyes that contain heavy metals, other than limited levels of copper and zinc.
- We do not use dyes that are supposed allergenic or cancerous.
- We do not use bromide flame retardants.
- The content of rest formaldehyde in our crease resistant finish has a maximum level of 75 ppm (mg/kg) according to Jap. Law 112.
- For bleaching we only use hydrogen peroxides. We do not use chlorite or hypochlorite.

- We do not use perfluorooctanesulfonocacid in water or oil repellent finishes.
- We do not use biocide/bio-active or pesticide chemicals in our finishing.
- The level of acidity of our textiles will never exceed the acidity of the human skin.

Many years of study and experimenting have resulted in low pollution grades of our waste water, which is purified by the regional waste water cleaning installations. Starting points for a further decrease of the environmental impact of our business activities, a reduction of energy usage and of packaging materials are the various Dutch and European agreements between local or national governments and the industry.

We have an optimal separation and collection of waste materials from our production. (paper, plastic foils, wood, metals, chemicals and wet and dry textile materials) For our packaging we mainly use paper/cardboard boxes with a minimum content of recycled fibres of 60%, which again are 100% recyclable anywhere in the world. When plastic packaging is used, it is PE or HDPE and fully recyclable.

Our energy consumption (gas, water, electricity) is assessed quarterly. Electronic monitoring is recording our consumption to help us to reduce it to a minimum. Investments are assessed against the need for energy reduction.

## ORGANIC

Raymakers has pioneered the development of organic velvets and is on the forefront with developing flat-woven organic textiles. Our organic textiles and production processes are approved and labelled by IMO (Institut für Marktökologie) based on the criteria of GOTS, the only global standard for organic textiles ([www.global-standard.org](http://www.global-standard.org)). Within the "cradle

to cradle" principle, our organic products fit in the circular course-model, meaning that they can be brought back into nature as fertilizer for organic cotton or other agricultural produce.

## IN-HOUSE

At Raymakers we aim to create a healthy working environment and we encourage our employees to act and think in an environmentally conscious way. To stress its importance, we have included the latter into our annual individual appraisal.

It is our goal to reduce, on a year-to-year basis, the consumption of paper in our company. We discourage people to print electronic communications and give them the means to file electronically.

Assessments of the working environment are made on a regular base. We have a Social Fund, which offers our employees support with activities to improve their physical and mental well-being. We have an in-house, free gym. Eco-friendly cleaning agents are used throughout. Our canteen serves a lunch buffet with a selection of organic fruit, dairy produce and bread.

## TRANSPORTATION

All our forwarding agents must document a written environmental policy with environmental accounts. New trucks must have EU 5 engine. (low fuel consumption and minimal pollution) Our company cars should comply with energy label A, B or C.

