

CS rugs.

Sustainability contribution

As the world around us is so precious and at the same time so vulnerable, our company constantly focusses on reducing our environmental emission and strive for a clean footprint.

Responsible ways to select our material sources, to organise our manufacturing process and logistics are on top of mind. We have reached a very, very low waste level and a smart way of energy re-use in our production unit, forming the main contribution to our optimal footprint. Naturally also the wellbeing of our employees and visitors are being monitored daily.

The aim of CS rugs is to manufacture products that exclusively consist of materials part of a healthy life cycle, without being a harm for both people and environment.

CS rugs makes use of the most advanced – state of the art- technology in the rug industry. We are a manufacturer of customized rugs and do not produce in large volume.

We are very keen to only purchase products from suppliers who responsibly source and extract raw materials and have compliance with strict guidelines for reduction of substances that threaten ecosystems and human health.

Our company is committed to creating sustainable and beautiful products for people in their homes, hotels, offices and commercial spaces for over 40 years now, and we continuously innovate with regard to minimize the environmental impact of rug products and manufacturing.

Natural Sources

The yarns used in 95% of the CS rugs collection consist of the natural source Wool and in second place Linen, Silk, Cotton and Viscose. We are currently testing a new but 100% natural fibre. Wool as a raw material has been used for hundreds of years and is standing up to frequent use without crushing and matting. They reduce static electricity, are flame retardant and easy to clean and maintain.

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For the outdoor collections Symbioses and Beaufort CS rugs makes use of Polyethylene/Polyester yarns as for these collections' specific purposes, - outdoor use-, special characteristics are required.

For our products applies that they are long lasting consumer goods, remaining in use for a period of 15-20 years minimum. After usage the rug can be partly delaminated and can be washed and shredded to be recycled for other purposes.

Backing/Latices

The finishing and grounding of the yarn into the tufting cloth is reached by making use of an SBR latex, a non-toxic styrene butadiene rubber. We do not make use of any plasticizers in our latex backing. Tests with a 100% natural latex gained out of starch are currently running.

The latex is being pumped out of large containers and transported through a hose system to the different tufting units. The latex containers are re-used by the supplier via a deposit fee system.

Tufting cloth

By manufacturing a tufted rug, CS rugs brings the yarn into a cloth base. CS rugs makes use of a few different cloths: a polyester/nylon base, a PES cloth and a 100% wool cloth.

Drying Process

In order to dry our rugs, we make use of an infra-red installation. These lamps warm up to 85 degrees Celsius, needed for crosslinking the latex for optimal binding. After two runs of half an hour the rug is dry enough to hang into a rack where it will dry and evaporate further by natural air for at least 48 to 72 hours.

The infra-red warmth serves for 70% as a heating source for the production plant. Only in winter time it is sometimes necessary to use extra heating.

Air

The tufting process takes place by robots shooting yarn into a cloth with high-pressure air. Two compressor units, needed for transporting yarns through the tufting robots into the primary backing.

Electricity

CS rugs makes use of green energy. A roof solar installation will be installed end of 2020.

The CS rugs production plant and offices are equipped with LED-lamps, equipped with 'day-light' lighting sources in order to be able to judge colours.

The studio is situated at the Northern side so in that way there is a natural light entrance.

'Lights out when leaving' signs are placed at full traffic sites.

Timers are placed at our showroom and outdoor lights.

Pollution

CS rugs does not produce any gasses, no chemicals or other emission being harmful for the environment.

Noise rate

CS rugs is situated on a small industrial park where there is a limited noise rate. Only small, clean companies that have passed a strict selection are present here. The employees are protected from machine-noise by customized ear plugs.

Waste

Yarns: We are able to calculate our yarn needs for orders very precisely. The amount of yarn waste is less than 1%. Eventual, small remainings are bundled to work to zero in a round rug called 'Circular'. A one of a kind rug.

General waste: there is a small amount of left over cloth. Other general waste is Paper and plastic being offered separately.

Social: Tea bag covers are being collected and presented to a local rest home for creative purposes.

Water

CS rugs water usage is restricted to dishwasher water, toilet flushwater and handwashing water.

Logistics

CS rugs delivers her rugs through road transportation or in overseas cases through airfreight. Collection of rugs is concentrated on two days in the week.

Security/Safety

Conform governmental guidelines the plant has been supplied with exit warning signs and fire-extinguisher.

For safety reasons there is an (eye-)shower in case of an emergency.

Employees do wear protective shoes & professional workwear.

A crane is installed to support the carrying of the heavy rugs and materials

Emergency kits are installed at several sites

First aid training and certificates every half year for 2 persons.

At customers' level: In case of fire, rugs are determined as loose objects and therefore do not fall under strict regulations. Most of our rugs have passed tests for flame retardancy [Euroclass certification] and have self-extinguishing characteristics.

Wellbeing

The wellbeing of our employees is key. We support them with necessary education, well equipped working spaces, with working clothes for our machine operators and a.o. a box full of fruit every week, a Friday afternoon drink and of course compliments and appreciation.