

Trelleborg Rubber Flooring Ventilated sub flooring

Company / Manufacturer

General

Trelleborg Hålsomatta is a ventilated subflooring, which is marketed by Trelleborg Rubber Flooring and manufactured by PA Technical Composites, which is a product area within Trelleborg AB.

Environmental policy/work

Extract from the environmental policy of the product area:

"In our business development we will co-operate with customers and suppliers, strive for environmental healthy technologies, products and packages. Our goal is that the activities within the product area will not cause any environmental effects or negative effects on people's health. The environmental aspects should be integrated in the daily business activities."

Trelleborg Rubber Flooring products are environmentally declared according to the environmental standard ISO 14021.

The product area fulfils the terms in valid permit decision according to the environmental section. Internal environmental audits are done on a regular basis.

The product area is certified according to ISO 14001, certificate number 1651 M.

The product

Trelleborg Hålsomatta is a part of a underpressure ventilated, form stable underpressure flooring system with high durability and sound reduction. Trelleborg Hålsomatta is manufactured from SBR-rubber with a narrow ribbed underside for a linear air flow. It has a polyester fabric top. The Hålsomatta is laid loose on subfloors which need to be cleared from moisture, radon or odours.

The product does not contain any substances listed in the Swedish National Chemical Inspectorate's observation list.

Material included in the rubber recipe (weight %)

Raw materials:

Polymer c:a 25% SBR (Styrene butadiene rubber)

Fillers c:a 65% Chalk and kaolin

Plasticizer c:a 5 % Non-discoloring paraffin oils

Additives:

Cut polyester fibres c:a 2%

Curing agent c:a 1,5%

The fabric on the top of the hålsomatta is a non-woven polyester felt.

Emissions from the product

Trelleborg Hålsomatta is tested according to the trade standard for emission measuring of volatile compounds from floor coverings. The standard includes newly manufactured not installed surface material. The trade standard has been worked out by Statens Provningsanstalt (test institute) and Golvbranschens Riksorganisation (flooring trade organization). Emission factor, TVOC after 26 weeks is 48 µg / (m² x h), which classifies Trelleborg Hålsomatta as a flooring material of middle-emission. Newly installed floors emit a rubber smell, which will fade and disappear after a while.

Manufacturing process

Trelleborg Hålsomatta is produced in a continuous process in three steps: mixing, calandering and vulcanization. After the vulcanization the floor is cut and packed in 25-meter rolls.

Production energy consumption

Mixing	ca	2 kWh/m ²
Calandering	ca	4 kWh/m ²
Vulcanization	ca	15 kWh/m ²
Totally:	ca	21 kWh/m ²

Air pollution

Air pollution is mainly curing fume, which is purified before letting it out into the atmosphere. A measuring program supervises the outlets.

Water pollution

Cooling water is used in closed systems. The water consumption for the flooring production is less than 10 tons/year.

Packaging

Trelleborg Hålsomatta is rolled onto a paper bobbin in 25-meter rolls, which are packed in 0,1-mm protective polyethylene plastic. The rolls are delivered on wooden pallets of EUR-model. Trelleborg Industri AB is registered in REPA (a legal organization connected to the product responsibility for the collection and sorting of packaging).

Transports

Transports are made by truck. Deliveries are made straight from Trelleborg to flooring contractors or building sites.

Installation

Trelleborg Hålsomatta is installed according to Trelleborg Rubber Floorings installation and projection instructions for Trelleborg Hålsomatta.

Recycling

Trelleborg Hålsomatta can be removed mechanically for further energy consumption. We recommend that initial installation waste and removed material should be sent for energy recovery at combustionable waste facilities capable of purifying gas fumes.

Others

For further information please contact Trelleborg Rubber Flooring:

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The Trelleborg Group's environmental declaration can be ordered through e-mail: info@trelleborg.com