PERGO®
VINYL PLANKS & TILES

Pergo Vinyl Product **Life Cycle**

At Pergo, we're committed to reducing our ecological footprint and to helping our customers to reduce theirs. Sustainability is a top priority in each life cycle stage of the Pergo Vinyl floor. From purchasing and production to distribution, during lifetime to end-of-life of the floor, we continue to seek for more (energy) efficient processes and to minimize our impact on the environment.

PRODUCTION OF PERGO VINYL

Raw materials
REACH compliant

Local and Sustainable sourcing — UN Suppliers Code of Conduct

Phthalate free plasticizers

Up to **30 %** recycled material — Our internal waste is **100 %** recycled

Biomass powers the factory

Covering **70+ %** of our heat requirement — Avoiding **25k tons** fossil CO_2 emissions/year

Energy efficient lamination + UV Curing

97 % water supply for production from **recycled water**

1.000+ m³ **rain water** reused

Our production facility has a **0 %** landfill policy

END OF LIFE OF YOUR FLOOR

very easy to de-install thanks to our PerfectFold™ V system

PERGO VINYL IN USE

A very safe and **extremely durable** floor

Warranty 25 YEAR WARRANTY up to 25 years

VOC emission is over **20 times** lower than the most stringent EU norm

No formaldehyde, carcinogenic, mutagenic or reprotoxic substances

Easy to clean

Thanks to the **TitanV™ protective layer**, dirt can just be wiped off the floor, keeping the floor hygienic

TitanV™

no aggressive cleaning agents needed.

INSTALLING PERGO VINYL

Our products are **ready to install**

no **pre-treatments** nor **specific tooling** needed

VINYL
PLANKS & TILES
LIFE CYCLE

BRINGING THE FLOOR TO OUR CUSTOMER

100 % of our **packaging** is recyclable — of our **pallets** are reusable

Our packaging is **FSC certified**

We have a **worldwide network** of warehouses

in order to assure **efficient** and **energy-saving** transport

Environmental friendly **transportation**

Production of Pergo vinyl

Implementing renewable energy resources and striving for energy efficiency in every production step is key focus in the LVT production plant.

Raw materials

Our commitment to reducing our ecological footprint starts with sustainable sourcing of raw materials. Pergo Vinyl consists of PVC, filler, additives & plasticizers which are 100% virgin raw materials at arrival at our plant. All raw materials are carefully screened and our mandatory Supplier Code of Conduct based on the 10 principles of the UN Global Compact ensures the sustainable and social responsible sourcing of these materials. Moreover, all raw materials are REACH compliant (REACH is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals).

Plasticizers are used in LVT to make a plank flexible and are the subject of a health discussion. More specifically, ortho-phthalates might be hazardous for our health. That's why we work ortho-phthalate-free. We were one of the leading companies that introduced vinyl flooring without ortho-phthalates. We only use DOTP, the same kind of plasticizers that are allowed to be used for plastics in kids toys or for food packaging. This 100 % DOTP guarantee is also the reason why we do not recycle external vinyl waste.

This however doesn't mean we do not recycle at Pergo. All our internally generated production waste (off cuts, rejects, sawing & sanding dust,…) is recycled for 100 % and re-used in our product.

Powering the factory

As most production processes, manufacturing LVT requires energy. However, at Pergo we've invested a lot in energy efficient technologies resulting in a significant reduction of energy consumption and making our energy greener.

An important achievement is the implementation of an internal biomass plant providing heat to our LVT production facility. Internal wood waste from our laminate production is being recovered and converted into green energy powering the LVT production plant. The biomass energy plant is covering more than 70 % of the heat requirement of the production plant, reducing our CO_2 emissions with 25.000 tons per year.

Furthermore, we seek for energy efficient production methods, resulting in a lamination process of the different layers of our LVT that requires considerably less energy than traditional lamination technologies. We've also implemented a modern UV curing system where instead of working with energy-absorbing hot air ovens to cure our top coating, we use environmental friendly ultraviolet light and thus minimize the heat requirements.

Water supply and waste management

Water used on site is mainly for heating and cooling purposes during the manufacturing process. The management and protection of water resources is one of the cornerstones of environmental protection globally. At Pergo, we're well aware of this situation and therefore, we've taken several actions to reduce our water use during production and to avoid wastewater at any time. Accordingly, we can claim that 97% of our water supply for production is collected from internally recycled water. Furthermore, 1000 m^3 rainwater is used.

Not only do we avoid wastewater, thanks to our optimized recycling process by which 100% of the production waste is recycled, we also eliminate production waste on site. Accordingly, we guarantee that our production facility does not sent any waste to landfills.

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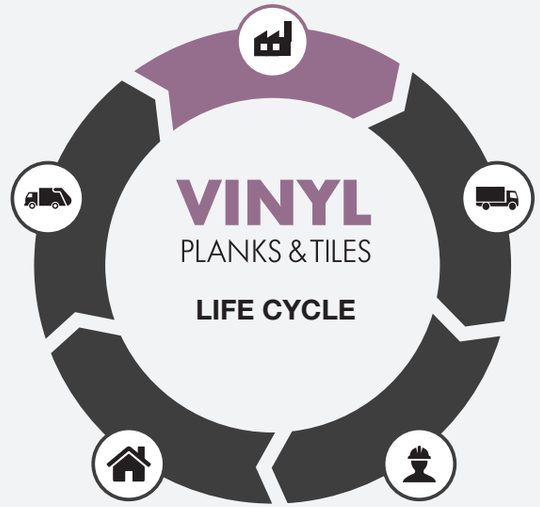

Transport & Distribution

Our commitment to sustainability does not stop once the product leaves our plant. We're well aware of the problems caused by the global transportation sector such as high energy consumption, air quality related health issues, packaging waste, congestions,… Therefore, we continuously seek for alternative ways for delivering goods to our customers.

Packaging

Bringing the floor to our customer in a green and environmental friendly way, starts with the packaging of the product. The Pergo Vinyl packaging is 100% recyclable and FSC certified. Also the pallets are 100% reusable.

Distribution network

We have a worldwide network of warehouses handling a wide range of Pergo in order to assure efficient and energy-saving transport. With our warehouses and distribution centers in Belgium, United Kingdom, Sweden and France, Poland, Ukraine, Russia and US we can combine product transports and avoid the need for suboptimized transport.

Alternative transportation methods

Moreover, as trucks are a carbon-intense mode of freight transport, we're investing in alternative transportation methods such as inland river bound terminals, intermodal freight transportation and short sea shipping.

- Inland river bound terminals: The Pergo production plant is located immediately besides a loading terminal of at the river Leie which enables us to transport our goods to the national ports via the inland water ways .
- Intermodal freight transportation: we use 2 modes of freight, truck and rail, to deliver Pergo Vinyl in Italy and the Scandics.
- Shortsea shipping for Scandics and Russia : movement of cargo mainly by coasters.

Installing Pergo Vinyl

Installing Pergo Vinyl is a very fast and easy process. Our products don't need to be pre-treated and are immediately ready to install. They can be cut easily with a concave knife. No further specific tooling is needed. Contrary to the messy, expensive and time-consuming installation of ceramics for example, Pergo Vinyl can be installed without a hassle and installation waste is reduced to a minimum.

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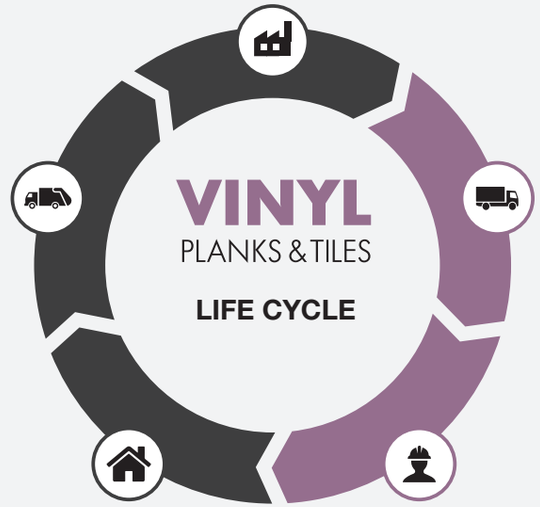

Enjoying Pergo Vinyl at home

Extremely low VOC's and no harmful substances

Choosing for Pergo Vinyl is choosing for a healthy floor. Thanks to the fully closed surface of the LVT floors, only an absolute minimum of volatile organic compounds (VOC's) are released. VOC's are substances affecting the indoor air quality. The total VOC emitted by a Pergo Vinyl is 50 times lower than the most stringent EU norm in that respect. As a result, we've obtained the below certificates:

- U-zeichen approval from DIBt. DIBt is the German institute of construction engineering setting health-related quality standards intended for products for indoor use and supporting the development of products with particularly low emissions.
- In France, product tests are performed using the test method in accordance with ISO 16000 and the emissions behavior of VOCs is assessed. All our LVT flooring has been giving the best rating A+, meaning the emissions are very low.
- M1: Finnish building emission: the aim of the classification is to enhance the development and use of low-emitting building materials so that material emissions do not increase the requirement for ventilation.

Antragsnummer
II44-1.156.603-134/13
Emissionsgeprüfter Bodenbelag
nach DIBt-Grundsätzen

ÉMISSIONS DANS L'AIR INTÉRIEUR
A+
A+ A B C

RAKENNUSMATERIAALIN PÄÄSTÖLUOKKA
M1

Furthermore, our products do not contain formaldehyde nor carcinogenic, mutagenic or reprotoxic substances class 1A and 1B (candidate list). Pergo Vinyl does not contain heavy metals, lead/cadmium. As mentioned before, our products do not contain any harmful plasticizers.

Hygienic

A durable surface layer and an ultra-protective PU coating: those are the main ingredients of Pergo Vinyl floors. Two major features that make our vinyl flooring perfect for intensively used rooms and spaces. The perfectly sealed surface keeps Pergo Vinyl hygienic. It prevents bacteria and dirt can just be wiped off the floor. As a consequence, cleaning does not require aggressive cleaning agents.

End of life of your floor

The easy Perfect Fold V click system enables you to easily de-install the floor and re-use it in another area. At the end of life of your floor, flooring waste can be recycled to new flooring, depending on your local situation. Please contact your local retailer/waste recycling facility to find out the recycling programs in your region.

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