

ENVIRONMENT

- The laminated ground Luxfloor is composed to 95% of raw material renewable: wood
- The exploitation of wood is done thanks to the maintenance and the care of the local forest richnesses
- The laminated ground does not contain any trace of PVC, PCB, Dioxine or others
- Recycling and easy reprocessing and without problem

Below, a summary of a report published by institute WKI of Dresden/Germany, independent and reference in research of sciences of wood.



Wilhelm-Klauditz-Institut Holzforschung

Principal characteristics of the laminated floor covering relating to the environmental protection

The laminated floor coverings consist of materials containing wood covered with a surfacing of high quality. They are intended for the interior buildings. The surfacings are made up of materials resisting wear. They are hermetic and are largely used since tens of years in the manufacture of furniture of cuicines and laboratories, of equipment of offices and installation of shops. The majority of these fields of application have high hygienic requirements. The characteristics of materials of surfacing and the supports containing wood are defined in the various French and European norms.

The adhesives and materials of surfacing used for the manufacture of laminated floor covering are elaborate in aqueous phase. They contain like organic binder bird, in their pre-condensed form, of formaldehyde and, for laminated sheets HPL, also of phenol. These manufacturing processes do not include an organic solvent. Pesticides of wood neither are used for the particle or fiberboards, nor added with the surfacings. The polymerization of the resins is carried out using a reagent without chlorine. In the same way, the plastics containing PVC are excluded from the manufacture of the laminated floor coverings.

The rate of formaldehyde outburst is limited to 0.1 ppm by REGLEMENT of the Prohibition of the Chemicals (Chemikalien-Verbotverordnung).

Analyses carried out according to official tests¹ in the measuring chambers showed that the rate of release, ranging between 0.005 and 0.03 ppm, is without exception, very weak and that they are in the fork of the authorized rates of release. Other thorough analyses showed that the laminated floor covering practically does not emit a release.

The great chemical and thermal stability of materials of surfacing and their great facility of cleaning and maintenance are appreciable advantages for the use of the laminated floor coverings. From the point of view allergologic, these floor coverings are rather to recommend since they are easily to clean and that their impermeable surface does not give, for example, no chances of survival to the acarina.

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The elimination of the laminated floor coverings is done without difficulty: it is of nothing different from that waste from pieces of furniture out of wooden. After use, the laminated floor coverings can also be developed by the energy production or the recycling of basic materials. Their transformation does not require a particular measure.

Prof. DR. R. Marutzky

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