

LIQUID LAMINATE TECHNOLOGY (LLT)

LLT makes the difference!

The special features of this process are the combination of different surface finishing technologies and the merging of previously separate work steps into one production run. This offers considerable advantages in terms of product quality. At the same time, this process opens up further possibilities for energy-efficient and thus lower-emission production.

The patented LLT process offers numerous advantages over conventional laminate flooring production methods:

- 1.** Energy-saving production
- 2.** Highly transparent surfaces
- 3.** Significantly better, more realistic decor display
- 4.** Individually pronounced gloss levels
- 5.** Optimum appearance and feel of the laminate flooring surface

The „LLT process“ (LLT = Liquid Laminate Technology), invented by CLASSEN, combines these two previously completely separate work processes **in one production line**. In this line, the core boards are first covered with a decorative paper at the top and a backing layer at the bottom and then joined.



LIQUID LAMINATE TECHNOLOGY (LLT)

LLT makes the difference in microscratch!

Micro-scratch resistance is evaluated in two different procedures according to **EN 16094:2012**. In procedure A, the gloss change is evaluated and in procedure B, the scratch pattern is classified.

The rating scale ranges from 1 (gloss change <10% or no scratches) to 5 (gloss change >70% or many scratches, dull abrasion).

LLT	Short Cycle Press
The LLT process achieves the rating MSR-A1 (gloss changes <10%) and MSR-B1 (no scratches).	The Short Cycle Press process achieves the rating MSR-A3 (gloss change between 30% and 50%) and MSR-B3 (many clearly visible scratches)

