

# Laminate flooring

Hydrophobic treatment / impact sound insulation / installation



Ringtest: Without sealing visible swelling of the joint in the tongue and groove area

Sealed with KLEIBERIT 849 no swelling of the joint

## ADHESIVES

The laminate floor is subject to a wide variety of daily demands. The cleaning with a mop, split liquids, house plants on the floor etc. can cause a swelling of the laminate floor in the tongue and groove areas. For this one of the foremost goals of the industry is to make the tongue and groove areas more moisture resistant.

Low viscous hydrophobic liquid based on paraffin wax over a solution. The can be sprayed and penetrate the substrate quickly to that this treatment can be easily integrated into the production process.

### KLEIBERIT Hydrophobic treatment 849

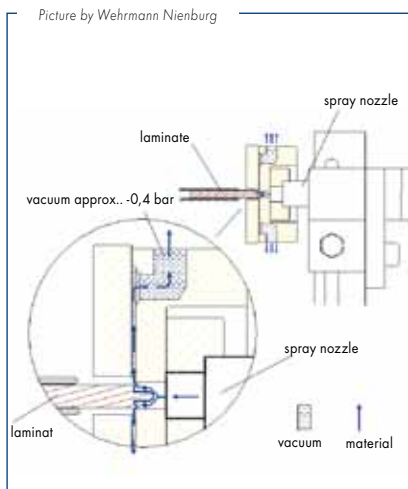
for speeds up to 200 m/min. Properties:

- one application (depending of coat weight and board quality) can reduce swelling of the laminate up to 70 %
- Continuous or intermittent application possible
- addition of dye can aid production control

**Note:** If the laminate flooring is later being installed with **KLEIBERIT** parquet adhesive D3 only the tongue should be sealed.

**Application:** The **KLEIBERIT** hydrophobic treatment can be sprayed very precisely. Over spraying can be avoided with the aid of masks and with lower pressure in the edging areas.

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**KLEIBERIT HM 728**

- Suited for wide variety of applications
- Excellent for spray and roller application (also with grooved rollers)
- Clean application properties
- Very tacky

**Laminate floor installation**

Laminate flooring is becoming more and more popular. The flooring is usually installed as a floating floor (bonding of the tongue and groove).

The requirements of the adhesive are:

- Compatibility with the hydrophobic treatment
- Water and heat resistance
- Easy application

**KLEIBERIT Parquet adhesive D3**

PVAC dispersion for high water and heat resistance.

- 1C adhesive with bond quality of D3 in accordance to DIN/EN 204
- Solvent and formaldehyde free
- Easy applicable with the squeeze bottle
- Good open time
- Colourless glue joint

**KLEIBERIT PUR 566**

1C assembly adhesive for bonding laminate flooring to floor screed.

- Easy and clean bead application with the hand gun.
- Excellent reduction of the impact sound level (tested by LGA, Nürnberg)
- Tolerance adapting

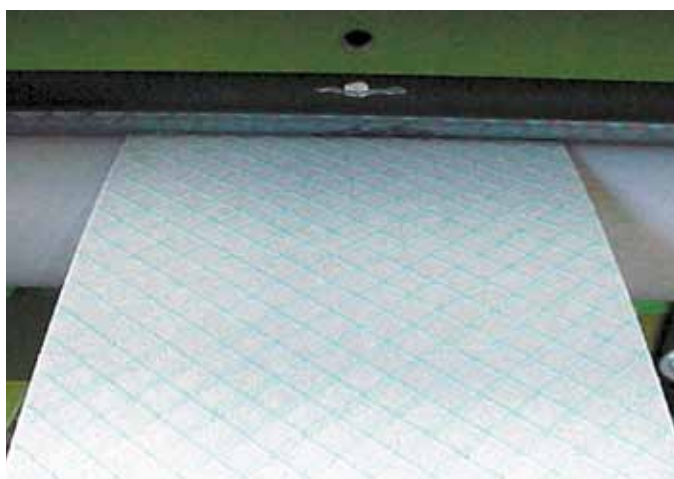
**Impact sound insulation**

The improvement of the impact sound insulation is currently a topic of the laminate flooring industry. The direct installation of impact sound insulation to the back of the laminate boards should improve the quality of the laminate floor.

Insulation materials are felt, cork, foamed PUR, foamed PP etc. and thermoplastic rubber adhesives have properties to bond these material to the laminate.

Typical application methods are:

- Roller application
- Spray application



Netzauftragswalze (Werksbild Haribo, Bad Salzungen)

**KLEIBERIT Laminate flooring**

Product	Basis	Viscosity in mPas <small>Tested in accordance to Brookfield SP. 6/20 Upm</small>	Properties
<b>Parquet adhesive D3</b>	PVAC	13.000 ± 2.000	D3 bond quality in accordance to DIN/EN 204 Colourless glue joint Solvent and formaldehyde free High moisture and heat resistance
<b>Assembly adhesive 567</b>	Polyurethane	Pasty	Bonding of the laminate direct to the floor screed. Very high reduction of impact sound.
<b>529</b>	Epoxy	approx 1.000	Sealant and water barrier against rising moisture; reinforcing screed flooring