

# PRODUCT DECLARATION

## WOODLIFE PE90

permanent flexible parquet adhesive  
for porous and non-porous subfloors

**WOODlife PE90** is a single-component high performance flexible wood and parquet adhesive based on SMP (Silyl Modified Polymers). WOODlife PE90 is suitable for bonding wood strip flooring, wood mosaic panels, wood blocks, wood laminates, solid boards, exotic timbers on porous and non-porous subfloors.

- COMPLIES WITH EN 14293 ADHESIVES FOR BONDING PARQUET TO SUBFLOOR
- PERMANENTLY ELASTIC AFTER CURING
- GOOD ADHESION ON A VARIETY OF MATERIALS WITHOUT THE NEED TO USE A PRIMER
- SOUND AND VIBRATION DAMPING
- VERY LOW EMISSION
- SUITABLE FOR UNDERFLOOR HEATING
- FREE OF SOLVENTS, ISOCYANATE, WATER PVC AND SILICONES

### 1 TECHNICAL PRODUCT DESCRIPTION

Product name	WOODlife PE90
Basic material	SMP (Silyl Modified Polymers)
Components	1
Curing system	Moisture curing
Solid content	100 %
Specific gravity (20 °C)	1,55 g/cm <sup>3</sup>
Hardness	65° Shore A (DIN 53505)
Open time	35 minutes ((20 °C/50% R.V.)
Sanding and finishing	After 24 hours
Shear strength wood-wood	> 2,5 Mpa
Temperature resistance	-40 °C up to +80 °C

### 2 SUBFLOOR

The subfloor should be smooth, sound, dry and free from any contaminants which will affect adhesion. Concrete and anhydrite floors should be cleaned thoroughly and when necessary cleaned with an industrial vacuum cleaner.

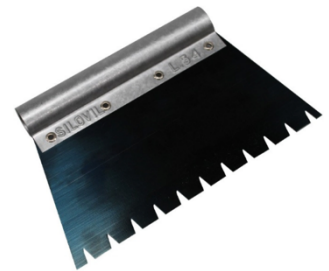
Old ceramic floors should be cleaned and free from grease. A preliminary compatibility test is recommended on every surface. The subfloor should be sealed off against moisture. In case of doubt always contact our technical advisors.

The moisture content must be as recommended by the flooring manufacturer but should not exceed: concrete 3%, with underfloor heating installations 2%. For anhydrite 0,5%, with underfloor heating installations 0,3% measured with a hygrometer. When bonding on pre-treated floors or using woods, which contain a high content of oil always consult our technical advisors. For use on plastics like PE and PP always contact us for additional tests. A primer is not needed on most surfaces and could have a negative influence on the adhesion of **WOODlife PE90**.

### 3 APPLICATION

Apply **WOODlife PE90** with a trowel and spread the adhesive evenly over an area of subfloor that can be covered with the wood flooring within 35 minutes. We advise the use of trowels with triangular notches, leaving at least 1200 gr of glue per m<sup>2</sup>. Suitable trowel codes for **WOODlife** multiplanks are: B12, B14, B15.

**WOODlife** offers a trowel with extra high notch depths (see image on the right). This trowel is epically well suited for subfloors which are not perfectly even, as well as for multiplanks with very large dimensions. The glue usage with this trowel is appr. 1400-1500 grams per m<sup>2</sup>.



For other floor types we recommend for instance, B3 for bonding wood mosaic panels and S4 for bonding solid boards. The trowel to be used is also depending on the subfloor. In general, we can say a fine notched trowel for use on a smooth floor and a rough notched trowel for an uneven floor.

The open time can vary depending on the temperature and the relative humidity. If the adhesive already formed a skin it should be removed, and new adhesive should be applied. Any adhesive on the wood should be removed before it has cured with a towel. Cured adhesive must be removed mechanically. Allow a gap of minimum 8 mm around the perimeter of the laid parquet. When bigger changes in dimensions are expected the gap should be changed accordingly.

**WOODlife PE90** is moisture curing. This implicates that the relative humidity of the room before, during and after the installation should be above 30% and below 70%. Check before installation that the moisture content of the wood is as recommended by the supplier, generally between 6 and 8%. Guide to operating values:

- Temperature 14-18°C
- Relative humidity maximum 70%
- Subfloor temperature between 14 and 20°C
- Adhesive temperature minimum 14°C

**WOODlife PE90** is covered with a plastic foil to prevent curing of the adhesive. After usage always cover again with the plastic foil.

Removal/Cleaning: any adhesive on the wood should be removed before it has cured with a towel. Cured adhesive must be removed mechanically.

#### **4 COVERAGE**

Coverage measured with a trowel at an angle of 60° on a smooth subfloor:

B3: 800 - 900 g/m<sup>2</sup>

B12: 1.100 - 1.300 g/m<sup>2</sup>

S4: 1.900 - 2.400 g/m<sup>2</sup>

WOODlife trowel:

**WOODlife PE90** is moisture curing and curing time depends on temperature and the relative humidity. In general, we can say after 8-16 hours the floor can be walked over and after 24 hours the floor can be sanded.

#### **5 ENVIRONMENTAL CONSIDERATIONS**

For detailed information please consult the Material Safety Data Sheet, which can be sent to you on request.

#### **6 SHELF LIFE**

6 months in unopened packaging if stored in a dry storage place at temperatures between 10 and 25°C

#### **7 PACKAGING**

Plastic bucket 15 kg

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