



# Slc® Eco L34

Eco-friendly, organic, high elasticity, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.

Slc® Eco L34 develops a perfect balance between adhesive force and elasticity, that guarantees superior levels of safety when laying hardwood floors of any size and wood type on any type of substrate.



## Product Strengths

- Ideal for laying all types of hardwood floors on all types of substrates
- Perfect balance between strength and elasticity
- Anti-shock system technology to guarantee the strength and adhesion in actual working conditions
- Rapid performance growth, also at low temperatures
- Suitable for heated substrates



## GreenBuilding Rating

|  |                                |                  |                      |                           |                             |
|--|--------------------------------|------------------|----------------------|---------------------------|-----------------------------|
|  | <br>Mineral ≥ 30%              | <br>Low Emission | <br>Solvent ≤ 5 g/kg | <br>Low Ecological Impact | <br>Health Care             |
|  |                                |                  |                      |                           |                             |
|  | Natural mineral content<br>64% |                  |                      |                           | Non-toxic and non-hazardous |

### Slc® Eco L34

- Category: Organic Mineral Products
- Class: Organic Mineral Adhesives for Hardwood Floors
- Rating: Eco 2

## Areas of use

### Use

Easy installation of laying for traditional and prefinished wood floors made of any format or type of wood, and onto any type of substrate. Interior floors in residential and commercial buildings cast asphalt screeds. Suitable for heated subfloors.

### Floors:

- wood mosaic, industrial hardwood flooring
- solid block flooring, thin strip (lamarquet), strip flooring
- solid wood, tongue-and-groove strips
- prefinished, pre-polished, tongue-and-groove plywood strips

### Substrates:

- cement-based screeds
- anhydrite screeds
- screeds produced with Keracem® Eco or Keracem® Eco ProntoPlus
- wood panels
- existing marble, ceramic, homogeneous tile or similar floors
- cast asphalt screeds

### Do not use

For all external laying or for external use or on substrates subject to rising damp; on heated subfloors and anhydrite screeds not properly prepared and on a general basis on non-absorbent subfloors not properly prepared.

## Instructions for use

### Preparation of substrates

Substrates must be compact, solid, level, not too rough and absorbent. They must also be dimensionally stable, non-deformable, dry, clean and free of any rising moisture, cracks, dust and detaching substances. Cement-based screed or substrates consisting of marble, granite, ceramic or similar must have residual moisture at a maximum of 2% or 1.7%, in case of under floor heating. Anhydrite screeds must have residual moisture of a maximum of 0.5% or 0.2% in case of under floor heating and/or in accordance with applicable legislation. Cement-based screeds with high residual moisture (max 5%) or with dusty surface, flaky or weak parts must be treated with Slc® Eco EP21, Slc® Eco PU31 or Slc® Eco PU310.

Substrates consisting of existing marble, granite, ceramic or similar floors must be thoroughly cleaned and treated with Keragrip Pulep; in case of high residual moisture (MC max 5% CM – RH max 90%) they must be treated with Slc® Eco 3CW. Anhydrite screeds must be sanded clean using mechanical dust extraction equipment and treated with Slc® Eco EP21, Slc® Eco PU31 or Slc® Eco PU310. Absorbent substrates with under floor heating must be treated with Slc® Eco EP21, Slc® Eco PU31 or Slc® Eco PU310. On a general basis anhydrite and heated subfloors can't be waterproofed and/or corrected with self levelling cement or gypsum-based products.

Uneven or excessively rough substrates must be adjusted and/or levelled with suitable products such as Keralevel® Eco Ultra, Keratech® Eco R30, Keratech® Eco Flex or with synthetic mortars produced with Slc® Eco EP21 mixed with Quarzo. Read carefully the relevant technical data sheets before using the above listed products.

### Preparation

Slc® Eco L34 is prepared by mixing together parts A and B from the bottom upwards, using a low-rev ( $\approx 400/\text{min.}$ ) helicoidal mixer, respecting the mixing ratio of 9 : 1 of the packaging. Pour part B into the bucket containing part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained.

### Application

Apply Slc® Eco L34 evenly over the substrate using a suitable notched trowel, lay the boards on the wet adhesive, pressing down hard enough to ensure full contact with the adhesive, making sure none rises up between the strips. Leave  $\approx 7 - 10$  mm for expansion between the wood floor and the walls (or other vertical elements).

### Cleaning

Remove residual traces of Slc® Eco L34 from the surface while still wet using Slc® Eco Silomac. The product can be removed from tools with Slc® Eco Diluente 01 or alcohol. Once cured, the adhesive can only be removed by mechanical means.

## Special notes

Allow the floor to reach room temperature in the place where it is to be laid

The boards to be laid must have a moisture content of 5 – 9% for engineered floors, and of 7 – 11% for solid wood floors

Before laying, measure the moisture content of the substrate using a carbide hygrometer

Before laying, measure the temperature of the substrate, and ambient temperature: they must exceed the minimum temperature value reported on technical data and/or be in accordance with applicable legislation

In addition to the above recommendations, follow the hardwood floors manufacturer's specific instructions.

## Technical data compliant with Kerakoll Quality Standard

|  |  |
|--|--|
| Appearance   | paste colour oak/walnut  |
| Confezione   | part A bucket 9 kg / part B jar 1 kg   |
|  | part A bucket 4,5 kg / part B jar 0,5 kg                                     |
| Shelf life   | $\approx 12$ months in the original packaging                                |
| Warning  | protect from frost,<br>avoid direct exposure to sunlight and sources of heat |
| Working temperature                                | $\geq +10$ °C  |
| Pot life   | $\approx 90$ min.  |
| Open time  | $\approx 90$ min.  |
| Foot traffic                                       | $\approx 8$ hrs  |
| Interval before normal use of<br>engineered floors | $\approx 24$ hrs   |
| Waiting time before sanding                        | $\approx 2$ days after complete stabilisation of the hardwood floors         |
| Coverage   | $\approx 1,5$ kg/m <sup>2</sup> (SLC® n.4 spreader)                          |

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbency level of the substrate.

## Warning

**- Product for professional use**

- use the recommended notched trowel
- the temperature, ambient humidity, ventilation and absorption of the substrate and covering materials may vary the adhesive workability and setting times
- keep the room(s) well aerated and use Sic® Eco Proman, a protective hand cream
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - [info@kerakoll.co.uk](mailto:info@kerakoll.co.uk)

This information was last updated in September 2010; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com)  
KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.