

# L34 Hybrid ex L34 Flex New

**Certified, eco-friendly, organic, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding. Single-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of both operators and the environment.**

L34 Hybrid develops a perfect balance between adhesive force and elasticity that guarantees the safe laying of prefinished and traditional hardwood floors on any type of substrate.



## GREENBUILDING RATING®

### L34 Hybrid

- Category: Organic Mineral products
- Laying hardwood floors and resilient materials



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

## PRODUCT STRENGTHS

- Hypoallergenic
- No environmental hazard rating
- Easy to spread
- High coverage
- Quick and safe to clean, ideal to lay pre-finished hardwood floors
- Anti-shock system technology to guarantee the strength and adhesion in actual working conditions
- Ideal for underfloor heating systems



## ECO NOTES

- Formulated with locally-sourced minerals meaning lower greenhouse gas emission during transportation
- Limits the risk of loads that could be harmful and dangerous to the environment during storage and transportation
- Improved on-site safety guaranteed

## 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.

### Floors:

- wood mosaic, industrial hardwood floors and according to EN 13488 and EN 14761
- solid wood elements without strips, thin strip, strip flooring and according to EN 13227
- solid wood tongue-and-groove boards and according to EN 13226 and EN 13228
- pre-finished, pre-polished, tongue-and-groove plywood strips and according to EN 13489
- wood flooring according to EN 14342

### Substrates:

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

Interior floors in residential and commercial buildings. Suitable for heated substrates.

### Do not use

On substrates subject to rising damp; on heated subfloors not properly prepared; on 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 and not too rough. 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. Cement-based screeds with high residual moisture (max 5%) or with dusty surface, flaky or weak parts must be treated with EP21.

Substrates consisting of existing marble, granite, ceramic or similar floors must be thoroughly cleaned and treated with Keragrip Eco Pulep; in case of high residual moisture (MC max 5% CM – RH max 90%) they must be treated with 3CW. Anhydrite screeds must be sanded clean using mechanical dust extraction equipment and treated with EP21. Absorbent substrates with under floor heating must be treated with EP21.

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 EP21 mixed with Quarzo 5.12.

Read carefully the relevant technical data sheets before using the above listed products.

### Preparation

L34 Hybrid is ready-to-use. Open the packaging, remove the bag of desiccant and the protective cover from the surface of the adhesive. At the end of use, in case the product is not finished, it is necessary to apply carefully the clean protection film again, in order to avoid contact with air and the subsequent hardening. Insert the bag of desiccant once again before sealing the packaging with the lid.

### Application

Apply L34 Hybrid evenly over the substrate using a suitable toothed spreader (no. 2 or 4), lay the hardwood floor strips on the fresh adhesive, pressing down hard enough to ensure full and even contact with the adhesive, making sure nothing rises up between the strips. Leave ≈ 7 – 10 mm for expansion between the wood floor and the walls (or other vertical elements). In case of laying of hardwood floors without tongue-and-groove apply an even and not thick too layer of adhesive.

### Cleaning

Remove residual traces of L34 Hybrid from the surface while still fresh using alcohol. The product can be removed from tools with Diluente 01 or alcohol. Once hardened, the adhesive can easily be removed from varnished surfaces by water and SuperSoap.

## 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 calcium carbide hygrometer.

Before laying, measure the ambient temperature and that of the substrate, which must be higher than the minimum use temperature indicated in the technical data.

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

## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	neutral colour/oak paste
Pack	16 kg bucket
Shelf life	≈ 12 months in the original packaging
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat
Viscosity of the mixture	≈ 42000 mPa · s, rotor 7 RPM 50 Brookfield method
Temperature range for application	from +10 °C to +35 °C
Open time	≈ 60 min.
Foot traffic	≈ 12 hrs
Interval before normal use of engineered floors	≈ 24 hrs
Waiting time before sanding	≈ 3 days (after full stabilisation of the hardwood floor)
Coverage	≈ 700 - 1300 g/m <sup>2</sup> (spreader no. 2 - 4)

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.

## PERFORMANCE

### VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS

Conformity

EC 1 plus GEV-Emicode

GEV Certified 8965/11.01.02

## WARNING

### - Product for professional use

- abide by any standards and national regulations
- 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
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service 01772 456 831 - [info@kerakoll.co.uk](mailto:info@kerakoll.co.uk)

The Rating classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in January 2020 (ref. GBR Data Report - 01.20); please note that additions and/or amendments to this information 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.