L34 Evolution

Odourless, two-component, organic, mineral adhesive for the high-performance laying of hardwood floors.

L34 Evolution 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.



1. No odour, safeguards the health of both operators and the environment
2. The number one safest adhesive since 1980
3. Ideal for laying all types of hardwood floors on all types of substrates
4. Perfect balance between adhesive force and elasticity
5. Anti-shock system technology to guarantee the strength and adhesion in actual working conditions
6. Rapid performance, also at low temperatures
7. Suitable for heated substrates

kerakoll

Areas of application

→ 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
- bamboo floors
- wood flooring according to EN 14342

Substrates:
- cement-based screeds
- anhydrite screeds
- screeds produced with Keracem or Keracem Prontoplus
- wood panels
- existing marble, ceramic or similar floors
- cast asphalt screeds

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

Do not use outside or on substrates that are 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

→ Substrates must be compact, solid, planar, 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 Pulep.
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 Ultra, Planogel Rheo, Flowtech Plus 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
L 34 Evolution is prepared by mixing together parts A and B from the bottom upwards, using a low-rev (≈ 400/min.) helicoidal agitator, respecting the preset 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 L34 Evolution evenly over the substrate using a suitable toothed spreader no. 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).

→ Cleaning
Remove residual traces of L34 Evolution from the surface while still fresh using alcohol. The product can be removed from tools with 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 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.

Certificates and marks

A-SS Anti-Shock System TESTED

eco 2

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

** Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).*

Abstract

High-performance laying of solid wood and plywood floors is to be carried out using a two-component, organic mineral adhesive with Anti Shock System Technology, such as L34 Evolution by Kerakoll Spa. The substrate must be permanently dry, compact, free from any loose debris, clean and cured, and the shrinkage stage already completed. For laying, a ____ toothed spreader must be used for an average coverage of ≈ ___ kg/m².

Technical Data compliant with Kerakoll Quality Standard		
Appearance	paste colour oak/walnut	
Pack	monopack 9+1 kg	
Shelf life	≈ 12 months from production in the original sealed packaging	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Temperature range for application	from +10 °C to +35 °C	
Viscosity of the mixture	≈ 39,000 mPa · s, rotor 7 RPM 50	Brookfield method
Pot life	≈ 90 min.	
Open time	≈ 90 min.	
Foot traffic	≈ 8 hrs	
Interval before normal use of engineered floors	≈ 24 hrs	
Waiting time before sanding	≈ 2 days after complete stabilisation of the hardwood floors	
Coverage	≈ 800 – 1500 g/m²	

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

→ 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 - info@kerakoll.ae

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