



UNILIN, Division Flooring
Unit 5 Rampart Business Park – Greenbank Industrial Estate –
Newry – BT34 2QU

EN 14342:2005+A1:2008

Engineered wood flooring with T&G for interior use

Reaction to fire:	Df1-S1
Linked with the minimum mean density and minimum overall thickness	700kg/m ³ 18mm
Emission(release) of formaldehyde	E1
Emission of pentachlorophenol	≤5ppm
Breaking strength(max.load) and span	NPD
Slipperiness	NPD
Thermal conductivity:	0.13W(mk)
Biological durability:	Class 1
Declaration of Performance:	ELKEWOSZ01

18 / 21 / 22mm RUSTIC GRADE ENGINEERED WOOD FLOORING

Installation, Site & Subfloor Requirements Specification (UK)

Congratulations with your new 'Engineered Wood Flooring'. Before starting with the installation, it is critical that you read the following instructions carefully. Failure to do so will inevitably result in problems occurring and invalidate your warranty

"INSTALLATION IMPLIES ACCEPTANCE" NO WARRANTY WILL BE OFFERED FOR APPEARANCE RELATED CLAIMS ONCE THE PRODUCT IS INSTALLED.

1. Installer / Owner Responsibility

Engineered wood flooring is a natural product and will display inherent variation in colour, grain and character. Such variation is not a defect.

The installer and/or owner is solely responsible for:

- Inspection of all materials prior to installation
- Verification that site, environmental and subfloor conditions comply with this specification
- Confirmation that the correct product, grade and finish have been supplied
- Deselection of any boards considered visually or structurally unacceptable

Installation constitutes full acceptance of the product. Claims relating to visible defects, incorrect product selection, unsuitable site conditions or preventable causes will not be accepted once installation has commenced. Engineered flooring must not be installed below ground level or in bathrooms.

2. Standards Compliance

Installation shall comply with recognised good practice and the latest editions of:

- BS 8201 – Code of practice for installation of timber floors
- BS 5325 – Methods for measurement of moisture in subfloors (hygrometer/ERH testing)
- TRADA guidance – timber moisture content, equilibrium moisture movement and service conditions

Where this specification defines tighter tolerances or requirements, this specification shall take precedence. Failure to comply with these instructions and referenced standards will invalidate the product warranty.

3. Site Conditions & Acclimatisation

The building must be fully enclosed, weather-tight and all wet trades completed and dry prior to delivery or installation of flooring.

Internal conditions must be maintained:

- Temperature: 18–20°C
- Relative Humidity: 35–65%

Flooring must remain in unopened packaging, stored flat, clear of heat sources, and acclimatised on site for a minimum of 3–7 days. Moisture and humidity readings should be recorded.

4. Subfloor Requirements

Subfloors must be structurally sound, dry, clean, level and permanently fixed. Flatness tolerance: ± 4 mm under a 2 m straight edge in accordance with BS 8201. Timber substrates must be minimum 18 mm thick. Plywood is recommended.

5. Subfloor Moisture Testing (UK)

Testing shall be undertaken in accordance with BS 8201 and BS 5325 recognised hygrometer or in-situ probe methods. Subfloors must meet one of the following:

- $\leq 75\%$ RH (ERH)
- $\leq 2.0\%$ CM (cementitious screeds)
- $\leq 0.5\%$ CM (calcium sulphate/anhydrite screeds)

Electronic meters are for screening only. Where limits are exceeded, an appropriate moisture mitigation system must be installed.

6. Storage & Handling

- Store indoors only
- Keep boards in original packaging
- Stack flat, maximum 2–3 packs high
- Provide air circulation
- Keep clear of radiators or heat sources

7. Expansion Requirements

Provide:

- Minimum 15 mm expansion gap at all perimeters
- 15 mm gap at doorways and transitions
- Intermediate expansion breaks for areas exceeding 13 m
- No fixed objects installed on floating floors

8. Underlay (Floating Installations)

Minimum 2 mm supportive foam or poly underlay with integrated vapor membrane intended for engineered floors.

9. Under-Floor Heating

- System commissioned for minimum 3 weeks
- Subfloor compliant with moisture limits
- Heating off 48 hours prior to installation
- Maximum floor surface temperature 27°C
- Gradual recommissioning
- Individual heating zones & heated / unheated areas must be separated by a threshold.

(see separate guidelines)

10. Installation – General

- Mix boards from multiple packs
- Undercut frames and joinery
- Maintain expansion gaps
- Stagger joints minimum 150 mm
- Do not install defective boards

11. Installation Methods

1. Secret Nail: 150–200 mm fixing centres.
2. Full Bond: flexible MS or polyurethane wood floor adhesive.
3. Floating: install over approved underlay with recommended joint adhesive.

12. Warranty Limitations

Failure to comply with these requirements or referenced standards (BS 8201 / BS 5325 / TRADA) will invalidate the product warranty.

Warranty, Care and Maintenance Instructions are issued separately.