engineered
flooring

14mm RUSTIC HERRINGBONE ENGINEERED WOOD FLOORING

UK CA CE

UNILIN, Division Flooring
Unit 5 Rampart Business Park – Greenbank Industrial Estate – Newry – BT34 2QU
08448 118 288

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	620kg/m3
and minimum overall thickness	14mm
Emission(release) of formaldehyde	E1
Emission of pentachlorophenol	<5ppm
Breaking strength(max.load) and span	1.9Kn
Slipperiness	NPD
Thermal conductivity:	0.13w (mk)
Biological durability:	Class 1
Declaration of Performance:	ELKAWO02
Supplier Code:	PKFGHSH

General Instructions

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

Installer / Owner Responsibility

To install Herringbone flooring correctly without issues requires an appropriately trained and experienced installer with a high technical ability

This herringbone flooring is made up of single sided panels with three groves to allow for multiple designs and save on wastage

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:

- ≤ 75% RH (ERH)
- ≤ 2.0% CM (cementitious screeds)
- ≤ 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

- Minimum 10 mm expansion gap at all perimeters
- 10 mm gap at doorways and transitions
- Intermediate expansion breaks for areas exceeding 13 m

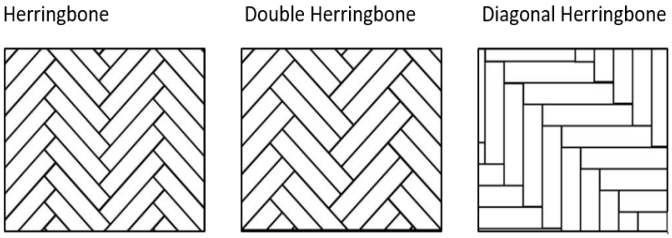
8. Under-Floor Heating

- System commissioned for minimum 2 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)

Always check the heating manufacturer's detailed instructions to ensure compatibility.

Some possible designs



9. Installation of Herringbone Floor - Full Coverage Glue Down Installation Only:

On completion of the preceding tasks the following steps should be followed for Installation.

1. You must use a water-free, MS, or Polyurethane glue, specially formulated for use with wood flooring.
2. Installation must be full coverage with the traditional trowel method, in all cases follow the instructions of the adhesive manufacturer. With this method, you adhere direct to the sub floor and you do not need to apply glue to the tongue and groove.
3. If needed, concrete / screed floors should be primed with a Polyurethane Primer "only" – other primers such as PVA should never be used.
4. Any surplus glue that may seep out on to the surface of the wood must be removed immediately with suitable wipes.
5. Generally you will want the flooring to run the longest length of the room towards a natural source of light for aesthetic reasons.
6. Under cut the bottom of door frames, wardrobes, etc. to allow for the flooring and underlay to fit under it.
7. Open a number of packs and "shuffle" the boards to ensure an even distribution of colour and character.
8. If you discover a defective piece DO NOT LAY IT. You are the final judge of acceptable quality.
9. Unilin or its dealers will not be responsible for costs associated with installing, finishing and/or replacing flooring installed with obvious defects.

SETTING OUT, ACCURACY AND MARKING PROCEDURES ARE VITAL TO ENSURE THERE IS NO RUN OUT / GAPPING ISSUES.

1. Regularly check the floor alignment during installation.
2. Mark a straight line down the centre of the room then measure the width from the centre line to the wall to ensure the final board cuts that will be installed are of suitable length either side of the room. If required relocate the initial centre line to suit as shown in diagram 1a.
3. Mark line 2 & 3 either side of the centre line at a distance equal to the corner points of the flooring to be installed when connected as diagram 2a.
4. Create a template larger in size than the length of flooring boards, this template must be exactly square to support the rows installed. This should be rotated with its upper and lower

points aligned with the right hand side marker line shown in diagram 3a.

5. Spread the adhesive in front of the template up to the initial number of rows to be installed. The instructions of the adhesive
6. manufacturers must be followed including notch size and type of trowel.
7. Lay the first boards as in diagram 4a ensuring the corners are aligned with the centre and parallel lines and square to the plywood template.
8. Subsequent rows should be installed in the same manner, so the intended pattern is formed.
9. Continue the same process left and right of the starter boards.
10. Further lines parallel to the first set to use as board corner marker points as the installation progresses outwards.
11. Progress the installation of the first rows until they reach full room width

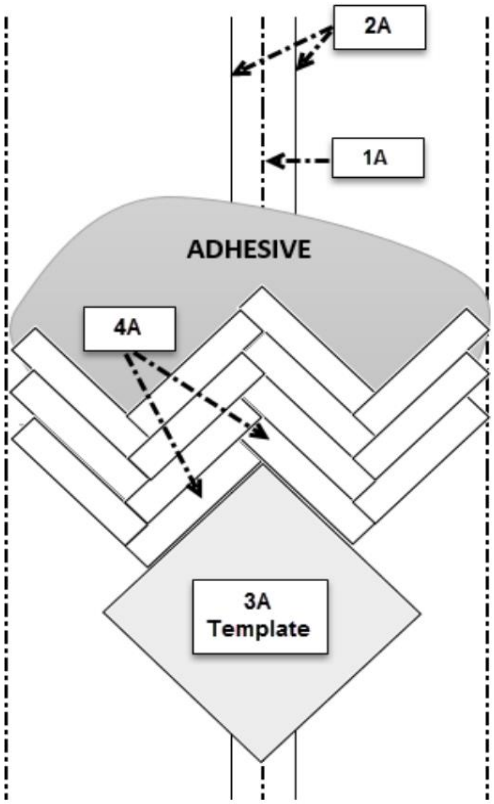
10. The perimeter and all fixed objects must be fitted ensuring a 10mm expansion gap.
11. If required a tapping block should be used to tap boards together, direct contact of hammer or mallet on the board edge is not recommended.
12. All perimeter gaps should be covered with skirting or Scotia using cover strips at thresholds.

<u>Consumer Expectations</u>:

Wood floors are NOT impervious to the day to day impact of grit, food, spills, and water. Preventive maintenance like area rugs, floor protectors (on ALL furniture on your wood floors) (improper products can contribute to additional wear, may VOID your warranty, and cause failure when recoating).

<u>Good practice:</u>

Keep this as a regularly scheduled event. Always perform this process before and after a major event that involves a high volume of traffic on the floor.



- Do: Place Protector pads on ALL furniture legs resting on your wood floor.
- Do: In high traffic areas use added protection to prolong the surface life of your floor.
- Do: Place walk off mats and area rugs in high traffic areas (make sure they stay dry and are cleaned underneath on a regular basis).
- Do: Perform routine maintenance; this should include sweeping, vacuuming and/or dust mopping to remove dirt and grit.
- Do not: Wear high heel shoes as this will cause indentations in the wood.
- Do not: Use WET or STEAM mops.
- Do not: Use other general floor cleaning products, only specialised Elka cleaning products should be considered.

<u>12. Warranty Limitations</u>

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.