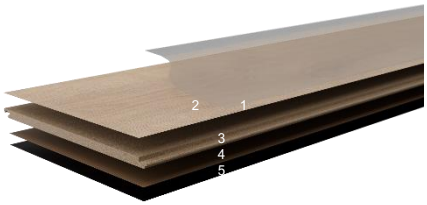
# Laminate Floor Data Sheet

## HARO Special Edition NKL 32

### Construction

HARO Special Edition NKL32 is a high-quality laminate floor by Hamberger Flooring GmbH & Co. KG with the following construction:

1. Overlay, specially impregnated (durable protective layer)
2. Decorative laminate, specially impregnated
3. Dimensionally stable and swell-tempered HDF-E1 core board
4. Moisture-repellent backing laminate
5. Back of the board: Optional Silent Pro insulation layer




### Dimensions and moisture behavior

All data refer to the delivery humidity of 4-10% according to EN 322.

| Length | Width | Total thickness | Weight per unit area | Equilibrium humidity at 23°C / 50% RH |
|---|---|---|---|---|
| EN 13329, Anhang A | EN 13329, Anhang A | EN 13329, Anhang A | - | EN 322 |
| 1282mm (50 $^{1}/_{2}$") | 193mm (7 $^{19}/_{32}$") | 8mm ($^{5}/_{16}$") | 7.21kg/m²<br>9.11kg/m² with Silent Pro | 5,6% |
| maximum deviation: ±0.5mm (DIN EN 13329: ±0,5mm/±0,3mm/m) | maximum deviation: ±0.1mm (DIN EN 13329: ±0.1mm) | maximum deviation: ±0.2mm (DIN EN 13329: ±0.25mm) | Slight deviations are possible due to variations in the core board's bulk density. | maximum deviation: ±0.5% |

### Installation system

The patented glueless installation system provides an easy, perfect-fit and permanent installation of the laminate floor.

Top Connect 5G Fold Down locking system

On the long sides: Angle-in to lock it
On the short sides: Top Connect 5G

### Insulation layer

The laminate floor can optionally be provided with a Silent Pro insulation layer. Please pay attention to the data sheets of the insulation layer.

| | Thickness | Thermal resistance | Indoor sound improvement | Footfall improvement |
|---|---|---|---|---|
| Silent Pro | approx. 2mm ($^{3}/_{32}$") | 0.01m² k/W | approx. 30% | approx. 18 dB |

EN Subject to errors and modifications.

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Performance specifications

| Level of use [DIN EN 13329] | Reaction to fire [DIN EN 13501-1] | Sliding friction [DIN EN 14041; EN 13893] | Thermal resistance |
|---|---|---|---|
|  |  |  |  |
| 23 / 32 | $C_{fl}$-s1 | DS / R9 | 0.065m²K/W |
| 23 = residential application with intensive use<br>32 = commercial applications with normal loads and traffic<br><br>The laminate floor fulfils all requirements of the specified level of use. | $C_{fl}$ = flame-resistant | μ ≥ 0.35<br><br>The laminate floor fulfils the requirements for occupational safety in accordance with BGR 181. | Thermal conductivity value; limit value max. for underfloor heating is 0.15 m²K/W |

| Electrostatic behaviour [DIN EN 1815] | Formaldehyde emissions [DIN EN 717-1] | VOC emissions [AgBB-Scheme/Blue Angel] | Micro scratch resistance [DIN EN 16094] |
|---|---|---|---|
|  |  |  |  |
| Antistatic | ≤ 0.05ppm | ≤ 300ppm | Class 1 |
| During the walk test the body voltage is ≤ 2kV. | Evidence of emissions for:<br>- Blue Angel (RAL UZ 176)<br>- DGNB ENV 1.2, quality level 4, criteria matrix 47a<br>www.dgnb-navigator.de<br>- QNG, catalogue of requirements appendix document 313 category 2.3<br>- LEED v.1 Option 2 & Leed v4 for projects outside U.S; EQ credit low-emitting materials<br>- BREEAM Hea02 Indoor air Quality, exemplary level emission criteria for wood flooring (table 18) | | Resistance to a scouring pad which leaves no or only minimal and hardly visible scratches (process: B). |

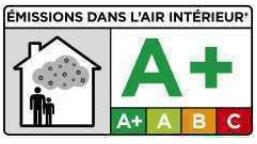
| Abrasion resistance [DIN EN 13329] | Impact test [DIN EN 13329] | Thickness swelling [DIN EN 13329] | Stain resistance [ DIN EN 438-2] |
|---|---|---|---|
|  |  |  |  |
| AC4 | ≥ 12 N / ≥ 750 mm | ≤ 12% | 5 (Gr 1-2) / 4 (Gr 3) |
| Wear-through IP ≥ 4000 rotations in accordance with DIN EN 13329. | The impact class results from the falling ball and the impact resistance test. | Requirement according to DIN EN 13329: ≤ 18%. | No change of gloss / colour by substances or chemicals that are common in a household. |

Quality label





www.blauer-engel.de/uz176





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