HARO

Laminate Floor Data Sheet

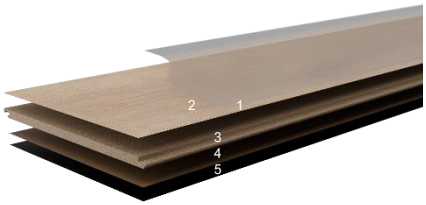
HARO Tritty 100 / Gran Via 4V / Plank 1-strip 4V

Construction

HARO Tritty 100 / Gran Via 4V / Plank 1-strip 4V 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. Special moisture control HDF E1 coreboard aquaResist
4. Balancing laminate
5. Back of the board: Optional Silent Pro insulation layer or Silent CT (ComforTec)

6.



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 $^{1}/_{2}$") (1-strip,), 2200mm (86 $^{5}/_{8}$") (Gran Via)	193mm (7 $^{19}/_{32}$") (1-strip), 243mm (9 $^{9}/_{16}$") (Gran Via)	8mm ($^{5}/_{16}$")	7.21kg/m² 9.11kg/m² with Silent Pro 7.21kg/m² with Silent CT	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 or with ComforTec. 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
Silent CT	approx. 2mm ($^{3}/_{32}$")	0.04m² k/W	approx. 60%	approx. 14 dB

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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 32 = commercial applications with normal loads and traffic The laminate floor fulfils all requirements of the specified level of use.	C_{fl} = flame-resistant	μ ≥ 0.35 The laminate floor fulfils the requirements for occupational safety in accordance with BGR 181. *does not apply to floors with pore texture	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: - Blue Angel (RAL UZ 176) - DGNB ENV 1.2, quality level 4, criteria matrix 47a www.dgnb-navigator.de - QNG, catalogue of requirements appendix document 313 category 2.3 - LEED v.1 Option 2 & Leed v4 for projects outside U.S; EQ credit low-emitting materials - 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

www.ibu-epd.com

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