

## Laminate Floor Data Sheet

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

#### Construction

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



#### 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, Campus, Loft), 2200mm (86 5/8") (Gran Via)	193mm (7 19/32") (1-strip), 135mm (5 5/16") (Loft), 243mm (9 9/16") (Campus, Gran Via)	8mm (5/16")	7.21kg/m <sup>2</sup> 9.11kg/m <sup>2</sup> with Silent Pro 7.21kg/m <sup>2</sup> 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.



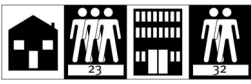



On the long sides: Angle-in to lock it  
On the short sides: Top Connect 5G





#### 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
	approx. 2mm (3/32")	0.01m <sup>2</sup> k/W	approx. 30%	approx. 18 dB
	approx. 2mm (3/32")	0.04m <sup>2</sup> k/W	approx. 60%	approx. 14 dB

## 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 <sub>fl</sub> -s1	DS / R9*	0.065m <sup>2</sup> K/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 <sub>fl</sub> = flame-resistant	μ ≥ 0.35  The laminate floor fulfils the requirements for occupational safety in accordance with BGR 181.  *does <u>not</u> apply to floors with pore texture	Thermal conductivity value; limit value max. for underfloor heating is 0.15 m <sup>2</sup> K/W

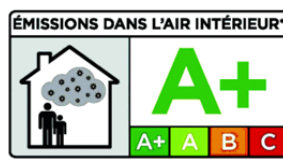
Electrostatic behaviour [DIN EN 1815]	Formaldehyde emissions [DIN EN 717-1]	VOC emissions [AgBB-Scheme/Blue Angel]	Micro scratch resistance [DIN EN 16094]
			
Antistatic	≤ 0.05ppm	≤ 300ppm	Class 1
During the walk test the body voltage is ≤ 2kV.	Evidence of emissions for: - Blue Angel (RAL UZ 176) - DGNB ENV 1.2, quality level 4, criteria matrix 47a <a href="http://www.dgnb-navigator.de">www.dgnb-navigator.de</a> - 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](http://www.blauer-engel.de/uz176)



[www.ibu-epd.com](http://www.ibu-epd.com)



Hamberger Flooring GmbH & Co.KG - Production Engineering

Quality management system Form PT 7.3/02/00/00/0502.11 v. 01/03/2021-en