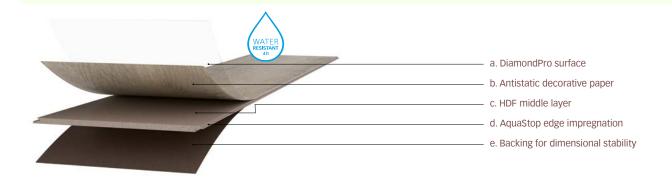


## Product data

## **Laminate flooring**



	Tests	DIN/EN standard	Laminate flooring planeo laminate
General data	on product composition		planeo ianimate
	Type of covering:		Flooring panel with top layer made from specially-resined decor paper
	Total thickness:		approx. 8 mm
	Effective measurement: (length × width)		2,052 x 220 mm
	Product structure:		a. Overlay b. Antistatic decorative paper c. HDF base board (approx. 890 kg/m³ ± 3%) d. AquaStop edge impregnation e. Backing
Technical dat	ta		
	Locking method:		MasterclicPlus
	Wear class:	EN 13 329	23   32
	Electrical behaviour:	EN 1815	In walk-over test according to DIN EN 1815 at climate of 23°C/25% relative humidity, the personal voltage was Up < 2 kV. The laminate flooring can be described in accordance with EN 14041:2004 as "antistatic floor covering".
	Wear resistance:	EN 13 329 (appendix E)	AC4 (= IP ≥ 4,000 cycles)
ANTI- BACTERIAL SURFACE	Antibacterial surface property:	ISO 22196	Effectiveness of the antibacterial property against Staphylococcus aureus ATCC 6538P and Escherichia coli ATCC 8739: "strong", value of the antibacterial effect A $\geq$ 3.
PART OF THE PART O	Impact resistance:	EN 13 329 (appendix F)	IC 2
	Stain resistance:	EN 13 329 (EN 438-2/26)	Group 1: grade 5 Group 2: grade 5 Group 3: grade 4-5
<b>A</b>	Colour fastness:	EN 13 329 (EN ISO 105)	stage 8 on the blue wool scale
C <sub>II</sub> -s1	Fire behaviour:	EN 13 501	Cfl-s1 (hardly flammable)
DS DS	Slip resistance:	EN 14 041 / 13 893	DS
	Scratch resistance:	EN 438-2/25	grade 4

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Technical data	<u> </u>		
<sup>®</sup> Е1	Formaldehyde emissions (E1 = 0.1 ppm):	EN 717-1	≤ 0.05 ppm
DL PCP	Content of pentachlorophenol:	EN 14 041 / 14 823	< 5 ppm
	Indent after constant load:	EN 13 329 (EN 433)	no visible changes
	Castor resistance:	EN 13 329 (EN 425)	no visible changes or damage with soft, standard castors (type W)
	Behaviour on simulation of shifting furniture foot:	EN 13 329 (EN 424)	no visible damage
	Underfloor heating:		Suitable for hot-water underfloor heating Electrical underfloor heating is generally suitable when it is built into the floor screed or the concrete layer and thus does not lie on the concrete layer as foil heating. The heating elements   pipes   wires must lie across the entire area and not just be partly present. If the area is only partially heated, the floo covering must have expansion joints (system profile strips). The maximum permitted surface temperature is 29°C. Standard foil heating systems are generally not recommended. One exception is self-regulating heating systems which maintain the 29°C surface temperature.
	Underfloor cooling:		A separate leaflet is available for laying on cooled floor constructions.
	Heat transfer resistance:	EN 12 667	0.057 (m <sup>2</sup> K)/W; with sound insulation 25 DB: 0.07 (m <sup>2</sup> K)/W
	Thermal conductivity:	EN 12 667	0.136 W/(m*K)
	Antislip:	DIN 51 130 BGR 181	on request; structure-dependent: - / R 9 / R 10
Tolerances			
	Right-angle of the elements:	EN 13 329	target values met
	Determination of edge straightness:	EN 13 329	target values met
	Surface flushness:	EN 13 329	target values met
	Joint opening between the elements:	EN 13 329	target values met
General data o	on environment, installation and care		
	Blue Angel:	RAL-UZ 176	awarded
	Disposal:		Residual pieces can be disposed of in household refuse (e.g. thermal treat- ment) Dispose large quantities according to municipal provisions (e.g. recyclin centres) An energetic utilization in authorized plants is recommended.
	Cleaning and care:		Cleaning after completion of construction work/day-to-day cleaning: Dr. Schutz Laminate Cleaner Special cleaning: Dr. Schutz Elatex Stain Remover
	Areas of application:		The flooring is suitable for all living areas as well as for commercial areas with normal wear. e. g. offices, waiting rooms, boutiques etc. Special requirements apply to treatment rooms and medical practices.
° 00	AquaSafe system:		The laminate floor is water-resistant (4 hours protection against standing water) as it has the AquaSafe system's comprehensive protection against humidity. Can be installed in humid rooms like e.g. bathrooms. This does not include outdoor areas and wet rooms, e.g. saunas, shower cubicles, steam rooms and rooms with a floor drain.
	Preconditions for installation:	DIN 18 365	The substrates must be ready for laying on according to the generally recognised rules of the trade, taking into account VOB (German construction contract procedures), part C DIN 18 365 "Floor covering work". The substratemust be dry (in the case of mineral substrates max. 2 % or with underfloor heating 1.8 %, with anhydrite screed max. 0.5 % or with underfloor heating 0.3 % residual moisture – measured with CM devices), even, firm and clean. Additionally, any unevenness of 3 mm/ per initial metre and 2 mm per further metre must be evened out according to DIN 18 202, table 3, line 4. The installation instructions provided with the product must be observed.















 ${\tt F\&P\ GmbH\ reserves\ the\ right\ to\ make\ alterations\ to\ material\ and\ structures\ when\ this\ serves\ to\ improve\ the\ quality.}$ 

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