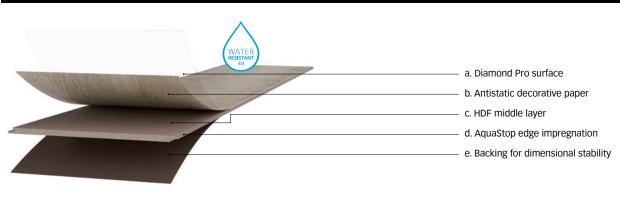
Tests

Type of covering:

General data on product composition



Laminate flooring

Meister Design. laminate LC 150

Flooring panel with top layer made from specially-resined decor paper

DIN/EN

standard

	Total thickness:		approx. 8 mm
	Effective measurement: (length × width)		1,288 x 198 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 data	Looking mothers.		Addidia
	Locking method: Wear class:	EN 13 329	Multiclic 23 32
7	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.
Ĉ ↑	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
7	Colour fastness:	EN 13 329 (EN ISO 105)	stage 8 on the blue wool scale
C _{II} -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
E1 нсно	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 floor 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 exceptior is self-regulating heating systems which maintain the 29°C surface temperature.
	Underfloor cooling: Heat transfer resistance:	EN 12 667	A separate leaflet is available for laying on cooled floor constructions. 0.057 (m²K)/W; with MEISTER-Silence 25 DB: 0.07 (m²K)/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
olerances	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 on	environment, installation and care		
	Blue Angel: Disposal:	RAL-UZ 176	awarded Residual pieces can be disposed of in household refuse (e.g. thermal treatment) Dispose large quantities according to municipal provisions (e.g. recyclin
	Cleaning and care:		centres) An energetic utilization in authorized plants is recommended. Cleaning after construction work/ regular cleaning: Dr. Schutz laminate cleaning agent
	Areas of application:		Special cleaning: Dr. Schutz Elatex universal stain remover 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
600	AquaSafe system:		apply to treatment rooms and medical practices. 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
	Preconditions for installation:	DIN 18 365	rooms and rooms with a floor drain. 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 substration must 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.
www.blauer-engel.de/uz176	PEPC Custined The products is from uniquely insured to source sources PEPCOL-SELIMB PEPC Custined The product is from uniquely insured to source so	itut Bauen Lumwolt eX.	1 7 7 3150 1 1 1 2 2 2 3
Maistar/Marks Cab	ulto CmhU roconyos the right to make a	Itarations to mate	rial and atrusturas when this convex to improve the quality

a. DiamondPro surface b. Antistatic decorative paper c. HDF middle layer

> d. AquaStop edge impregnation e. Backing for dimensional stability

MeisterWerke Schulte GmbH reserves the right to make alterations to material and structures when this serves to improve the quality.

MEISTER

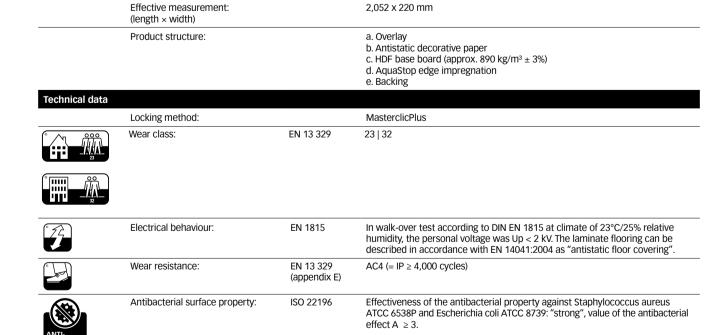
Laminate flooring Meister Design. laminate

Product data

LD 150

DIN/EN Laminate flooring standard MeisterDesign. laminate LD 150 General data on product composition Type of covering: Flooring panel with top layer made from specially-resined decor paper Total thickness: approx. 8 mm Effective measurement: 1,288 x 198 mm $(length \times width)$

	Product structure:		a. Overlay b. Antistatic decorative paper c. HDF base board (approx. 890 kg/m³ ± 3%) d. AquaStop edge impregnation e. Backing
echnical data	Locking method:		Multiclic
	Wear class:	EN 13 329	23 32
7 5	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
	Wear resistance:	EN 13 329 (appendix E)	described in accordance with EN 14041:2004 as "antistatic floor covering". AC4 (= $IP \ge 4,000$ cycles)
INTI- NACTERIAL	Antibacterial surface property:	ISO 22196	Effectiveness of the antibacterial property against Staphylococcus aureus ATCC 6538P and Escherichia coli ATCC 8739: "strong", value of the antibacteria effect A \geq 3.
EURFACE	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
 勃	Colour fastness:	EN 13 329 (EN ISO 105)	Group 3: grade 4-5 stage 8 on the blue wool scale
	Fire behaviour:	EN 13 501	Cfl-s1 (hardly flammable)
C _{II} -s1	Slip resistance:	EN 14 041 / 13 893	DS
DS -	Scratch resistance:	EN 438-2/25	grade 4
echnical data			
E1	Formaldehyde emissions (E1 = 0.1 ppm):	EN 717-1	≤ 0.05 ppm
DL	Content of pentachlorophenol:	EN 14 041 / 14 823	< 5 ppm
PCP	Indent after constant load:	EN 13 329	no visible changes
	Castor resistance:	(EN 433) EN 13 329	no visible changes or damage with soft, standard castors (type W)
	Behaviour on simulation of shifting	(EN 425) EN 13 329	no visible damage
└ >	furniture foot: Underfloor heating:	(EN 424)	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 floc 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 exceptior is self-regulating heating systems which maintain the 29°C surface temperature.
	Underfloor cooling: Heat transfer resistance:	EN 12 667	A separate leaflet is available for laying on cooled floor constructions. 0.057 (m²K)/W; with MEISTER-Silence 25 DB: 0.07 (m²K)/W
	Thermal conductivity: Antislip:	EN 12 667 DIN 51 130 BGR 181	0.136 W/(m*K) on request; structure-dependent: - / R 9 / R 10
olerances	Digital course of the elements		toward values and
	Right-angle of the elements: Determination of edge straightness:	EN 13 329 EN 13 329	target values met target values met
	Surface flushness: Joint opening between the elements:	EN 13 329 EN 13 329	target values met target values met
eneral data on e	environment, installation and care Blue Angel:	RAL-UZ 176	awarded
	Disposal:		Residual pieces can be disposed of in household refuse (e.g. thermal treatment) Dispose large quantities according to municipal provisions (e.g. recyclir centres) An energetic utilization in authorized plants is recommended.
	Cleaning and care:		Cleaning after construction work/ regular cleaning: Dr. Schutz laminate cleaning agent
	Areas of application:		Special cleaning: Dr. Schutz Elatex universal stain remover 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.
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Product of Laminate	data e flooring Meister Des	sign. lamin	ate



IC 2

Group 1: grade 5

EN 13 329

(appendix F)

EN 13 329

Laminate flooring

approx. 8 mm

Meister Design. laminate LL 150

DIN/EN standard

Tests

Type of covering: Total thickness:

Impact resistance:

Stain resistance:

Heat transfer resistance:

Thermal conductivity:

General data on product composition

a. DiamondPro surface b. Antistatic decorative paper

c. HDF middle layer

Flooring panel with top layer made from specially-resined decor paper $\,$

d. AquaStop edge impregnation e. Backing for dimensional stability

		(EN 438-2/26)	Group 2: grade 5 Group 3: grade 4-5
	Colour fastness:	EN 13 329 (EN ISO 105)	stage 8 on the blue wool scale
C _{II} -s1	Fire behaviour:	EN 13 501	Cfl-s1 (hardly flammable)
OS DS	Slip resistance:	EN 14 041 / 13 893	DS
	Scratch resistance:	EN 438-2/25	grade 4
Technical data			
[©] 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 floor 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.

0.057 (m 2 K)/W; with MEISTER-Silence 25 DB: 0.07 (m 2 K)/W

The installation instructions provided with the product must be observed.

	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 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.
[€]	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 substrate must 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.

0.136 W/(m*K)

EN 12 667

EN 12 667