

TECHNICAL DATASHEET

EGGER laminate flooring EMOTION®

with HDF SWELL STOPP PLUS and glueless locking installation system

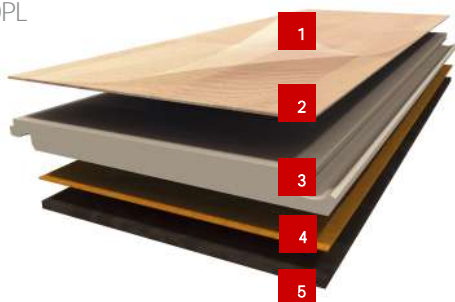
Plant WISMAR



1. Product description

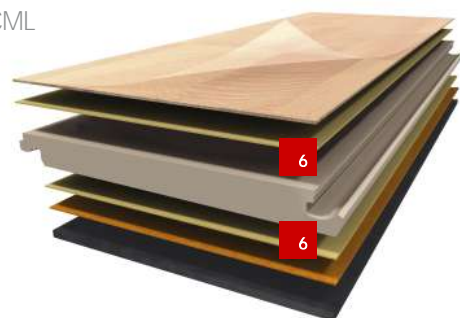
Product structure - DPL / CML

DPL



- 1 Highly abrasion resistant overlay
- 2 Melamine resin impregnated décor paper
- 3 Special HDF-core board, consisting of natural wood fiber
- 4 Balancer
- 5 silenzio® system (only marked products)

CML



- 6 Core paper (only with CML-structure)

We only use HDF- core boards of the quality standard E1.

All papers are resin impregnated.

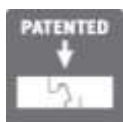
GLUELESS LOCKING INSTALLATION



JUST clic!

The patented EGGER installation system *JUST clic!* stands for quick and simple installation process without glue.

Patented as *JUST clic!* EP 1 441 087 and EP 1 462 587



PRO clic!

The patented EGGER installation system *PRO clic!* stands for quick and simple process without glue. Patented as *PRO clic!*

EP 1 518 032.

2. General requirements

Characteristics	Test method	Unit	EMOTION 31	EMOTION 31 silenzio	EMOTION 31	EMOTION 31 silenzio
Product structure	-	-	DPL	DPL	DPL	DPL
Core board	-	-	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS
Profile	-	-	PRO clic JUST clic	PRO clic JUST clic	PRO clic JUST clic	PRO clic JUST clic
Bevel	-	mm	-	-	-	-
Class of use	EN 13329	-	31	31	32	32
Format			CLASSIC	CLASSIC	CLASSIC	CLASSIC
Dimensions						
Thickness of the element	EN 13329	mm	7,0±0,5	7,0±0,5	8,0±0,5	8,0±0,5
Thickness of silenzio® special cellulose	-	mm	-	1,0±0,2	-	1,0±0,2
Complete thickness	-	mm	7,0±0,5	8,0±0,7	8,0±0,5	9,0±0,7
Lenght of the surface	EN 13329	mm	1292,0±0,2	1292,0±0,2	1292,0±0,2	1292,0±0,2
Width of the surface PRO clic Width of the surface JUST clic	EN 13329	mm	193,0±0,1 192,0±0,1	193,0±0,1 192,0±0,1	193,0±0,1 192,0±0,1	193,0±0,1 192,0±0,1
Packaging						
Panels / carton	-	pieces	10	8	8	7
Weight / carton	-	kg	15,30	13,09	14,00	13,01
Surface / carton	-	m ²	2,49	1,99	1,99	1,75
Cartons / pallet	-	pieces	52	60	60	60
Weight / pallet approx.	-	kg	807	795	850	790
Surface / pallet	-	m ²	129,67	119,69	119,69	104,73
Underfloor heating system						
Only hot water systems		-	Yes	Yes	Yes	Yes
Thermal resistance	EN 12667	m ² K/W	0,07	0,07	0,07	0,07
Light fastness						
Blue wool scale B02	EN 20105	-	≥ level 6	≥ level 6	≥ level 6	≥ level 6
Grey wool scale A02	EN 20105	-	≥ level 4	≥ level 4	≥ level 4	≥ level 4
Static Indentation with a straight steel cylinder Ø 11,30 mm (constant pressure)	EN 433	-	< 0,01	< 0,01	< 0,01	< 0,01
Surface soundness	EN 13329	N/ mm ²	≥ 1,4	≥ 1,4	≥ 1,4	≥ 1,4

Characteristics	Test method	Unit	EMOTION 32	EMOTION 32 silenzio	EMOTION 32 Medium	EMOTION 32 Kingsize
Product structure	-	-	DPL	DPL	DPL	DPL
Core board	-	-	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS
Profile	-	-	PRO clic JUST clic	PRO clic JUST clic	PRO clic JUST clic	JUST clic
Bevel	-	mm	1 x 1 on short and long sides or only on long sides	1 x 1 on short and long sides or only on long sides	1 x 1 on short and long sides or only on long sides	-
Class of use	EN 13329	-	32	32	32	32
Format			CLASSIC	CLASSIC	MEDIUM	KINGSIZE
Dimensions						
Thickness of the element	EN 13329	mm	8,0±0,5	8,0±0,5	8,0±0,5	8,0±0,5
Thickness of silenzio® special Cellulose	-	mm	-	1,0±0,2	2,5±0,2	-
Complete thickness	-	mm	8,0±0,5	9,0±0,7	10,5±0,7	8,0±0,5
Length of the surface	EN 13329	mm	1292,0±0,2	1292,0±0,2	1292,0±0,2	1292,0±0,2
Width of the surface PRO clic Width of the surface JUST clic	EN 13329	mm	193,0±0,1 192,0±0,1	193,0±0,1 192,0±0,1	134,0±0,1	326,0±0,1
Packaging						
Panels / carton	-	pieces	8	7	6	6
Weight / carton	-	kg	14,00	13,01	8,57	18,06
Surface / carton	-	m ²	1,99	1,75	1,04	2,53
Cartons / pallet	-	pieces	60	60	75	40
Weight / pallet approx.	-	kg	850	790	653	729
Surface / pallet	-	m ²	119,69	104,73	77,91	101,09
Subfloor heating system						
Only hot water systems		-	Yes	Yes	Yes	Yes
Thermal resistance	EN 12667	m ² K/W	0,07	0,07	0,11	0,07
Light fastness						
Blue wool scale B02	EN 20105	-	≥ level 6	≥ level 6	≥ level 6	≥ level 6
Grey wool scale A02	EN 20105	-	≥ level 4	≥ level 4	≥ level 4	≥ level 4
Static indentation with a straight steel cylinder Ø 11,30 mm (constant pressure)	EN 433	-	< 0,01	< 0,01	< 0,01	< 0,01
Surface soundness	EN 13329	N/ mm ²	≥ 1,4	≥ 1,4	≥ 1,4	≥ 1,4

Characteristics	Test method	Unit	EMOTION 32 Block	EMOTION 33
Product structure	-	-	DPL	CML
Core board	-	-	HDF SWELL STOPP PLUS	HDF SWELL STOPP PLUS
Profile	-	-	JUST clic	PRO clic
Bevel	-	mm	1 x 1 on short and long sides	1 x 1 on short and long sides
Class of use	EN 13329	-	32	33
Format			BLOCK	CLASSIC
Dimensions				
Thickness of the element	EN 13329	mm	8,0±0,5	11,0±0,5
Thickness of silenzio [®] special cellulose	-	mm	-	-
Complete thickness	-	mm	8,0±0,5	11,0±0,7
Length of the surface	EN 13329	mm	637,0±0,2	1292,0±0,2
Width of the surface	EN 13329	mm	330,0±0,1	193,0±0,1
Packaging				
Panels / carton	-	pieces	8	6
Weight / carton	-	kg	12,10	15,40
Surface / carton	-	m ²	1,68	1,50
Cartons / pallet	-	pieces	60	52
Weight / pallet approx.	-	kg	743	814
Surface / pallet	-	m ²	100,90	78,00
Subfloor heating system				
Only hot water systems		-	Yes	Yes
Thermal resistance	EN 12667	m ² K/W	0,07	0,12
Light fastness				
Blue wool scale B02	EN 20105	-	≥ level 6	≥ level 6
Grey wool scale A02	EN 20105	-	≥ level 4	≥ level 4
Static Indentation with a straight steel cylinder Ø 11,30 mm (constant pressure)	EN 433	-	<0,01	<0,01
Surface soundness	EN 13329	N/ mm ²	≥ 1,4	≥ 1,4

3. Classification requirements according to EN 13329 laminate floor coverings – specifications, requirements and test method

Class of use	21	22	23	31	32	33	
Category of collection	-	-	-	EMOTION 31	EMOTION 32	EMOTION 33	Test method
Symbols							
Classification	domestic			commercial			
	moderate	general	heavy	moderate	general	heavy	
Abrasion resistance	AC 1 IP ≥ 900	AC 2 IP ≥ 1.500	AC 3 IP ≥ 2.000		AC 4 IP ≥ 4.000	AC 5 IP ≥ 6.000	EN 13329 annex E
Impact resistance	IC 1				IC 2	IC 3	EN 13329 annex F
Small ball [N], Big ball [mm]	≥10 N / ≥800 mm ≥8 N / ≥1.000 mm				≥15N / ≥1.000mm ≥12N / ≥1.400mm	≥20N / ≥1.200mm ≥15N / ≥1.600mm	
Resistance to staining							EN 438
Group 1 + 2 Group 3	level 4 level 3	level 5 level 4					
Resistance to cigarette burns	-	level 4					
Effect of furniture leg	-	No damage shall be visible, when tested with foot Type 0 artefact				EN 424	
Effect of a castor chair	-	No change in appearance or damage				EN 425	
antistatic properties	yes, < 2 kV						EN 1815
Thickness swelling	≤ 20 %			≤ 18 %			EN 13329 annex G

The above characteristics are minimum specification values to the new European Norm for laminate floor coverings.

Characteristics	EMOTION 31	EMOTION 32	EMOTION 33	Test method
Class of use	31	32	33	EN 13329
Abrasion	AC 3	AC 4	AC 5	EN 13329
Formaldehyde emission	E 1	E 1	E 1	EN 717
Light fastness	Level 6	Level 6	Level 6	EN 438-2
Flame resistance	Cfl	Cfl	Cfl	EN ISO 11925 - 2
Castor chairs	Type W	Type W	Type W	DIN 68131
Guarantee domestic	15 years	20 years	25 years	According to EGGER Guarantee
Guarantee commercial	5 years	5 years	5 years	According to EGGER Guarantee

4. Tolerances/requirements according to EN 13329: laminate floor coverings – Specification, classification and test methods

General requirements			
Flatness length	concave	∪	< 0,50 %
Flatness width	concave	∪	< 0,15 %
Flatness length	convex	∩	< 1,00 %
Flatness width	convex	∩	< 0,20%
Straightness of edge (Banana form)	length		< 0,30mm / m
Squareness	width		< 0,20 mm
Height difference between elements	length/width	average ≤ 0,1 mm, single value ≤ 0,15 mm acceptable	

5. Characteristics silenzio® EGGER laminate flooring

SILENZIO®



Noticably quieter – The sound – absorbing underlay fitted directly on to the panel makes an audible difference: A pleasant warm sound, just like a wooden floor!



Even more quiet – with the 2,5 mm thick special cellulose underlay, silenzio® provides noticeably Reduced footstep and ambient noise and also distinctly improves comfort underfoot.



It can't get any better. Nothing is left to change with the 4 mm silenzio®. Footstep and ambient Noise has never been so quiet

Formats	Thickness silenzio®	Lenght of surface silenzio®	Width of surface silenzio®	Improvement of Impact Noise	Improvement of audible echoes	Weight of surface
Unit	mm	mm	mm	dB	dB	kg/m ²
Small	1,0±0,2	846,0±2,0	84,0±2,0	17	13	0,53
Medium	2,5±0,2	1285,0±2,0	128,0±2,0	18	14	1,25
Classic	1,0±0,2	1285,0±2,0	186,0±2,0	17	13	0,53
	2,5±0,2			18	14	1,25
	4,0±0,4			19	15	1,68
Kingsize	1,0±0,2	1285,0±2,0	318,0±2,0	17	13	0,53
Material	Special carton					
Composlte	Natural cellulose					
Type	direct coated under the laminate floor panel					
Installation on subfloor heating system	Only hot water systems					
Separability	Without problems before waste disposal					
Waste disposal	Recyclable					
Disposal	Incinerator/ dump					

Remark on the acoustic noise:

According to specialists a bisection of the subjective noise level can be achieved due to the reduction of the above mentioned characteristics.

These test of improvement of audible echoes for was carried out by the WKI and documented with the examination report No.: B – 1467 / 2002.