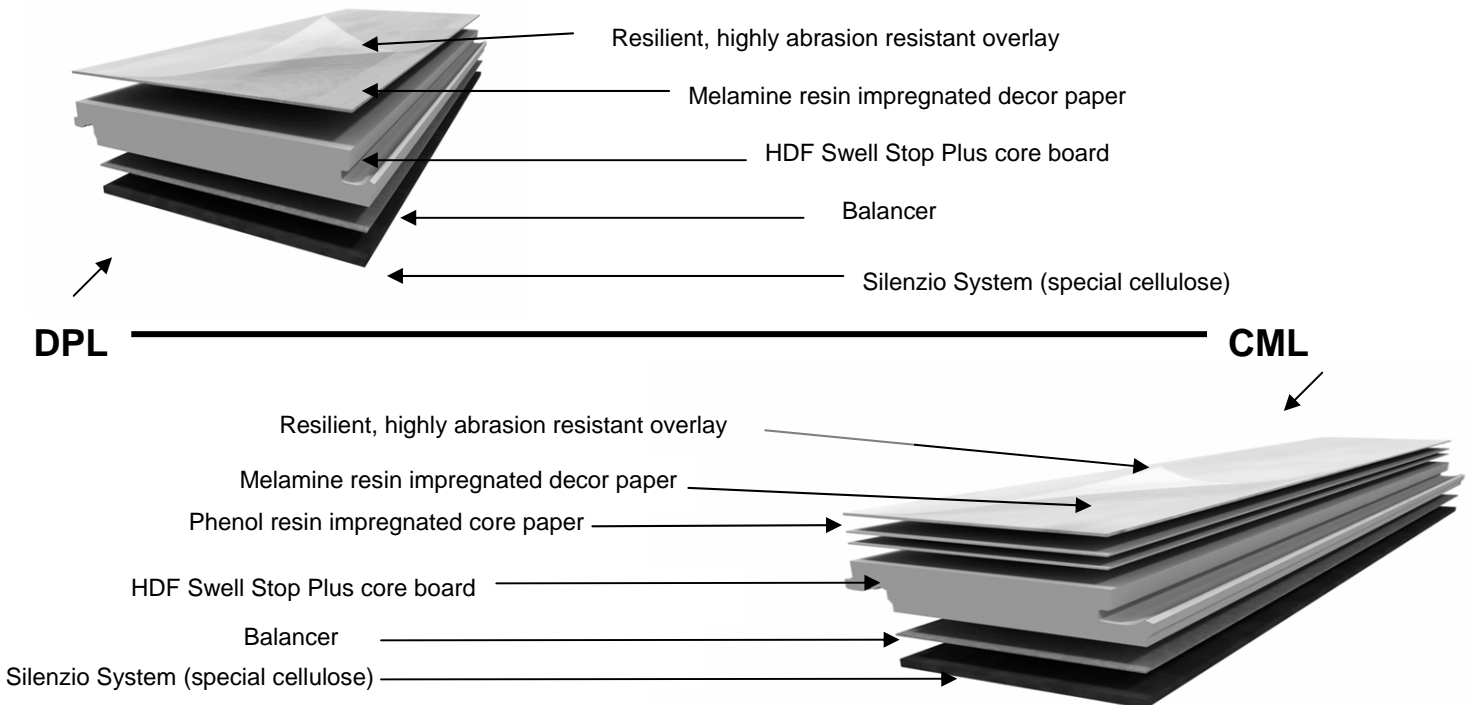


Technical Information EGGER Laminate flooring

1. Product information







EGGER– laminate flooring on HDF swell stop plus core board with glueless locking installation system



2. Allgemeine Anforderungen

Characteristic	Test method	Unit	31	32	32 Bevel	32 Silenzio	32 Tile	33 Silenzio
Surface			DPL	DPL	DPL	DPL	DPL	CML
Coreboard			HDF Swell Stop Plus	HDF Swell Stop Plus	HDF Swell Stop Plus	HDF Swell Stop Plus	HDF Swell Stop Plus	HDF Swell Stop Plus
Type			Plank	Plank	Plank	Plank	Big Plank	Plank
Bevel		mm			100 x 100 on short sides and/or long sides			
Thickness of element								
Thickness	EN 13329	mm	7,0 ± 0,5	8,0 ± 0,5	8,0 ± 0,5	7,0 ± 0,5	8,0 ± 0,5	8,0 ± 0,5
Silenzio special Cellulose		mm	./.	./.	./.	1,0 ± 0,2	./.	2,5 ± 0,2
Complete thickness		mm	./.	./.	./.	8,0 ± 0,7	./.	10,5 ± 0,7
Length of the surface								
Length	EN 13329	mm	1292,0 ± 0,2	1292,0 ± 0,2	1292,0 ± 0,2	1292,0 ± 0,2	1292,0 ± 0,2	1292,0 ± 0,2
Width of the surface								
Width	EN 13329	mm	192,0 ± 0,1	192,0 ± 0,1	192,0 ± 0,1	192,0 ± 0,1	326,0 ± 0,2	192,0 ± 0,1
Panel per carton								
Number of pieces		piece	10	8	8	8	6	6
Weight								
Per carton		kg	15,30	14,00	14,00	13,90	20,00	11,21
Surface per carton								
Surface		m ²	2,4806	1,9845	1,9845	1,9845	2,5272	1,4884
Carton per pallet								
Number of cartons		Carton	52	60	60	60	40	52
Weight per pallet								
Approx.		Kg	831	877	877	820	836	618
Surface per pallet								
Surface		m ²	128,9933	119,0707	119,0707	119,0707	101,0861	77,3960
Level of use								
Class	EN 13329		31	32	32	32	32	33
Light fastness								
Blue wool scale B02	EN 20105		≥ Level 6	≥ Level 6	≥ Level 6	≥ Level 6	≥ Level 6	≥ Level 6
Grey wool scale A02	EN 20105		≥ Level 4	≥ Level 4	≥ Level 4	≥ Level 4	≥ Level 4	≥ Level 4
Heat passing resistance								
measured in m ² K/W			0,07	0,07	0,07	0,07	0,07	0,07
Installation on subfloor heating system	EN 12664							
Only hot water systems			Yes	Yes	Yes	Yes	Yes	Yes
Static indentation	EN 433							
Static indentation with a straight steel cylinder Ø 11,30 mm			< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01
Surface soundness	EN 13329	N/ mm ²						
Surface soundness			≥ 1,4	≥ 1,4	≥ 1,4	≥ 1,4	≥ 1,4	≥ 1,4

3. Material classification requirements

Class	21	22	23	31	32	33	
Symbols							
Level of use	Moderate	Domestic General	Heavy	Moderate	Commercial General	Heavy	Test method
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 Small ball [N], Big ball [mm]	IC 1 ≥10 N / ≥800 mm or ≥8 N / ≥1.000 mm			IC 2 ≥15N/≥1.000mm or ≥12N/≥1.300mm	IC 3 ≥20N/≥1.200mm or ≥15N/≥1.600mm		EN 13329 annex F
Resistance to staining Group 1 + 2 Group 3	Level 4 Level 3	Level 5 Level 4				EN 438	
Resistance to cigarette burns	-----	Level 4				EN 438	
Effect of furniture leg	-----	No damage shall visible, when tested with Type 0 artefact				EN 424	
Effect of a castor chair	-----	No change in appearance or damage shall be visible				EN 425	
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	31	32	33	Test method
Class	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 E.F.P. Guarantee
Guarantee commercial	5 years	5 years	5 years	According to E.F.P. Guarantee
Installation on subfloor heating systems	Yes	Yes	Yes	Only hot water systems EN 12664

4. Characteristics of Silenzio

Characteristic	Unit		
Quality description		Silenzio	Silenzio Plus
Material		Special Carton	Special Carton
Composite		Natural Cellulose	Natural Cellulose
Type		Direct coated under the floorboard	Direct coated under the floorboard
Thickness of material without floorboard			
Thickness	mm	1,0 ± 0,2	2,5 ± 0,2
Length of Silenzio layer			
length	mm	1280,0 ± 2,0	1280,0 ± 2,0
Width of Silenzio layer			
Width	mm	182,0 ± 2,0	182,0 ± 2,0
Weight			
per m ³	ca. kg	440	550
Weight			
per m ² (without panel)	ca. kg	0,44	0,55
Subsonic noise with floorboard			
Improvement of subsonic noise	dB	17	18
Ambience with floorboard			
Improvement of ambience	dB	13	15
Ambience with floorboard			
Frequency	Hz	articulately displacement about 500 Hz	articulately displacement about 500 Hz
Subfloor heating systems			
Only hot water systems		yes	yes
Surface soundness			
Seperability		Without problems before waste disposal	Without problems before waste disposal
Waste disposal			
Recycling		Recyclable	Recyclable
Waste disposal		Incinerator / dump	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 characteristics refer to the improvement of ambience and the displacement of frequency.

The inspection of the improvement of the value for the 1 mm Silenzio was carried out by the WKI and documented with the examination report No.: B – 1467 / 2002.

5. Tolerances/Requirements according to:

EN 13329 laminate floor coverings – Specification, classification and test methods,

table 1 – 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