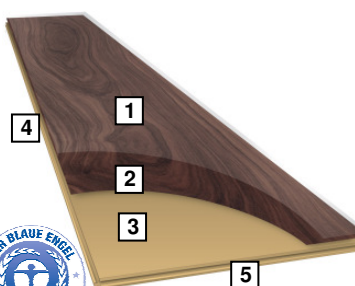
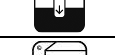


marena | Technical characteristics

Description					
Direct Pressure Laminate according to EN 13329 for glueless installation					
Fields of use					
Laminate marena is suitable for heavy domestic and general commercial use (EN 13329 - 32) "Allgemeine bauaufsichtliche Zulassung": Z-156.606-410					
Technical details		Design			
Dimensions (Decor)	1288 x 192 mm		1 Overlay Especially resistant melamine resin overlay Surface (depend on decor) - fine wooden pore - exklusive wood structure - silk matt		
Thickness of element	8 mm			2 Decor paper Decorative film	
Package	Pack: 9 elements / 2.23 m ² / 16 kg Pallet: 52 packs / 115.96 m ² / 847 kg				3 Coreboard Aqua-Protect®
Quality Guarantee*	Domestic area Commercial area				
25 years private wineo quality certified warranty 5 years commercial wineo quality certified warranty 2015 Laufzeit Runtime     		5 Click system (glueless) LocTec click joint			
Classification					
		Test Method Standard	Marking acc. Standard		
	Level of use 23 Heavy domestic use	EN 13329	Corridors, living rooms, kitchens, home offices		
	Level of use 32 General commercial use	EN 13329	Offices, boutiques, cafés		
	LocTec click system	-	Optimum fit with longer durability		
	Aqua-Protect® coreboard	-	Coreboard protected against moisture		
	Abrasion resistance	EN 13329, annex E	AC 4		
	Impact resistance	EN 13329, annex F	IC 2		
	Reaction to fire	DIN 4102 T1 EN 13501-1	B1 C _{fl} s1		
	Dynamic coefficient of friction	EN 13893 EN 14041	μ ≥ 0.3 DS		
	Anti-Static characteristics	Test of Witex according to DIN EN 1815	Witex laboratory test is fulfilled		
	Resistance to staining	EN 438-2	Materials of group 1 + 2: ≥ grade 5 Materials of group 3: ≥ grade 4		
	Resistance to cigarette burns	EN 438-2	Slight change of the surface ≥ grade 4		
	Light fastness	EN ISO 105 - B02 EN 20105 - A02	Blue wool scale: ≥ 6 Grey scale: ≥ 4		
	Static indentation	EN 433	No visible change, i.e. ≤ 0,01 mm indentation using a straight steel cylinder, Ø = 11,30 mm.		
	Effect of a furniture leg	EN 424	No visible damage, when tested with foot type 0		
	Effect of a castor chair	EN 425	No change in appearance or damage, as defined in EN 425. Single-wheel castors, as defined in EN 12529:1998, 5.4.4.2 (Type W) shall be used.		
	Thermal resistance Underfloor heating - suitable in connection with underlay material and PE-foil as moisture barrier	DIN EN 12664	< 0,06 (m ² K)/W - floating installation		
	Formaldehyde emission	DIN EN 14041	E1		
Environment/Disposal		Private disposal: like laminated furniture; possible with normal domestic refuse Commercial disposal:	Refuse-key-no. AVV 170201		

* acc. to the wineo-guarantee provisions

Relevant Information:

- Cleaning and care: see separate cleaning & care instruction
- No release for glue-down
- Technical subjects can be changed by windmüller flooring products GmbH.