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Laminate flooring technical specifications

ARTEC Collection

GENERAL CHARACTERISTICS

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Thickness of the element, *t*:	UNE EN 13329:2016		Δ^{t}average ≤ 0,50 mm to nominal value ^{t}max. - ^{t}mín. ≤ 0,50 mm
Squareness of the element, *q*:	UNE EN 13329:2016		^{q}max. ≤ 0,20 mm
Straightness of the surf layer, *s*:	UNE EN 13329:2016		^{s}max. ≤ 0,30 mm
Flatness of the element, *f*: - Width - Length	UNE EN 13329:2016		Maximum individual values: ^{f}W,concave ≤ 0,15 % ^{f}W,convex ≤ 0,20 % ^{f}l,concave ≤ 0,5 % ^{f}l,convex ≤ 1 %
Openings between elements, *o*: Gaps	UNE EN 13329:2016		^{o}average ≤ 0,15 mm ^{o}max. ≤ 0,20 mm
Height difference between elements *h*:	UNE EN 13329:2016		^{h}average ≤ 0,10 mm ^{h}max. ≤ 0,15 mm
Dimensional variations after changes in relative humidity, *δl*, *δw*	UNE EN 13329:2016		$^{\delta l}$average ≤ 0,9 mm $^{\delta w}$max. ≤ 0,9 mm
Light fastness	EN 20105-A02		Contrast between exposed and unexposed zone: grade ≥4 (gray scale)
Static identation	UNE EN 13329:2016 EN ISO 24343-1		No visible changes. *Example: <0.05 mm identation using a straight steel cylinder, Ø= 11.3 mm*
Surface soundness	UNE EN 13329:2016		≥ 1,25 N/mm²
Abrasion resistance	EN-438-2 EN13329		**AC5** (≥ 6000 cycles)
Impact resistance	EN13329		Big ball ≥ 1000 mm Little ball ≥ 15 N.
Level of use	EN 13329		**CLASS 33 HEAVY COMMERCIAL USE** **CLASS 23 HEAVY DOMESTIC USE**
Resistance to staining	EN-438-2		Groups 1-2 ≥ 5 Group 3 ≥ 4
Locking strength for mechanically assembled panels (Opening 0,2 mm)	EN13329		F ≥ 1 kN/ml
Effect of a furniture leg	EN424 (foot type 0)		No visible damage
Effect of a castor chair	EN425 EN 13329		No changes in appearance or damage, as defined in EN425. Using wheel defined in EN 12529 (Tipe W)
Thickness swelling	EN 13329		≤ 10 %
Slip coefficient	EN 12633 DB SUA-1		Class 1
Dimensions			1330,3 x 319,6 x 8 mm
PEFC			PEFC-COC-0332

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BOARD CHARACTERISTICS

CHARACTERISTICS	NORM	SYMBOLS	REQUIREMENTS
Type of board (V313)			High density board (HDF) humidity resistance
Density (Kg/m³)			900-950 Kg/m³

ADDITIONAL REQUIREMENTS

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Humidity at dispatch from the manufacturer	EN 322		The elements shall have a moisture content of 4 -10 %
Appearance, surface defects	EN 438		Whitout visible effects 1m of distance

CLASSIFICATION ACCORDING EMISSIONS - COV

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Emissions - COV	EN 16000 (French decree n° 2011-321 & arrêté of 19/04/2011)	ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C * Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A + (très faibles émissions) à C (fortes émissions)	Classified **A**+ **Ranking between A+ to C, the best is A+ (lowest emissions of organic compounds volatile).**

CHARACTERISTICS ACCORDING TO UNE EN 14041 NORM CE

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Reaction to fire	EN 13501	B_{FL}-s1	B_{FL} s1
Formaldehyde emission	EN 717-2	E1 HCHO	E1 (< 3,5 mg/m² h)
Antistatic charge classification	EN 1815		Antistatic < 2 KV
Content in PCP	CEN / TR 14823		< 5 ppm

SUITABLE FOR UNDERFLOOR HEATING

CHARACTERISTICS	NORM	SYMBOLS	REQUIREMENTS
Underfloor Heating	EN 12667		Suitable (with appropiate underlay)