














# AC6 laminate flooring technical specifications

Collections: MASTERPIECES, ELEGANCE, INDUSTRY TILES, STONE EFFECTS, RETRO, SENSE.



## GENERAL CHARACTERISTICS

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Thickness of the element, <b>t</b> :	UNE EN 13329:2016		$\Delta^{\text{average}} \leq 0,50$ mm to nominal value $t^{\text{max.}} - t^{\text{min.}} \leq 0,50$ mm
Length of the surface layer, <b>l</b> :	UNE EN 13329:2016		For length $\leq 1500$ mm: $\Delta l \leq 0,5$ mm
Width of the surface layer, <b>w</b> :	UNE EN 13329:2016		$\Delta w^{\text{average}} \leq 0,10$ mm to nominal value $w^{\text{max.}} - w^{\text{min.}} \leq 0,20$ mm
Squareness of the element, <b>q</b> :	UNE EN 13329:2016		$q^{\text{max.}} \leq 0,20$ mm
Straightness of the surf layer, <b>s</b> :	UNE EN 13329:2016		$s^{\text{max.}} \leq 0,30$ mm
Flatness of the element, <b>f</b> : - Width - Length	UNE EN 13329:2016		Maximum individual values: $f_{\text{W,concave}} \leq 0,15$ % $f_{\text{W,convex}} \leq 0,20$ % $f_{\text{l,concave}} \leq 0,5$ % $f_{\text{l,convex}} \leq 1$ %
Openings between elements, <b>o</b> : Gaps	UNE EN 13329:2016		$o^{\text{average}} \leq 0,15$ mm $o^{\text{max.}} \leq 0,20$ mm
Height difference between elements <b>h</b> :	UNE EN 13329:2016		$h^{\text{average}} \leq 0,10$ mm $h^{\text{max.}} \leq 0,15$ mm
Dimensional variations after changes in relative humidity, $\delta l$ , $\delta w$	UNE EN 13329:2016		$\delta l^{\text{average}} \leq 0,9$ mm $\delta w^{\text{max.}} \leq 0,9$ mm
Light fastness	EN 20105-A02		Contrast between exposed and unexposed zone: grade $\geq 4$ (gray scale)
Static indentation	UNE EN 13329:2016 EN ISO 24343-1		No visible changes. <i>Example:</i> $< 0,05$ mm indentation using a straight steel cylinder, $\phi = 11,3$ mm
Surface soundness	UNE EN 13329:2016		$\geq 1,25$ N/mm <sup>2</sup>
Abrasion resistance	EN-438-2 EN13329		<b>AC6</b> ( $\geq 8500$ cycles)
Impact resistance	EN13329		Small diameter ball $> = 15$ N Large diameter ball $> = 1000$ mm
Level of use	EN 13329		<b>CLASS 33 HEAVY COMMERCIAL USE</b> <b>CLASS 23 HEAVY DOMESTIC USE</b>
Resistance to staining	EN-438-2		Groups 1-2 $\geq 5$ Group 3 $\geq 4$
Locking strength for mechanically assembled panels (Opening 0,2 mm)	EN13329		$F \geq 1$ 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 (Type W)
Thickness swelling	EN 13329		$\leq 10$ %
Slip coefficient	EN 12633 DB SUA-1		Class 1




## 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 IN ACCORDING EMISSIONS - COV

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Emissions - COV	EN 16000 (French decree n° 2011-321 & arrêté of 19/04/2011)		Classified <b>A+</b> *A+ (better) / C (worst)
* 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)			
Emissions - COV FLOORSCORE	Conform California normative (California Section 01350) Register number SCS-FS-04556		Exceeds normative values

## CHARACTERISTICS ACCORDING TO UNE EN 14041 NORM

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Reaction to fire	EN 13501		B <sub>fl</sub> s1
Formaldehyde emission	EN 717-2		E1 (< 3,5 mg/m <sup>2</sup> h)
Antistatic charge classification	EN 1815		Antistatic < 2 KV
Content in PCP	CEN / TR 14823		< 5 ppm

## UNDERFLOOR HEATING

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Underfloor heating	EN 12667		Suitable for underfloor heating (with FAUS Radiant underlay)

## CERTIFICATES AND APPROVALS

TYPE	ORGANIZATION	APPROVAL
Environmental certificate	PEFC	Certificate PEFC-14/35-00210