














AC5 laminate flooring technical specifications

Collections: SYNCRO, COSMOPOLITAN, TEMPO.

GENERAL CHARACTERISTICS

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Thickness of the element, t :	UNE EN 13329:2016		Δ average $\leq 0,50$ mm to nominal value $t_{max} - t_{min} \leq 0,50$ mm
Length of the surface layer, l :	UNE EN 13329:2016		For length ≤ 1500 mm: $\Delta l \leq 0,5$ mm
Width of the surface layer, w :	UNE EN 13329:2016		Δ average $\leq 0,10$ mm to nominal value $w_{max} - w_{min} \leq 0,20$ mm
Squareness of the element, q :	UNE EN 13329:2016		$q_{max} \leq 0,20$ mm
Straightness of the surf layer, s :	UNE EN 13329:2016		$s_{max} \leq 0,30$ mm
Flatness of the element, f : - Width - Length	UNE EN 13329:2016		Maximum individual values: $f_{W,concave} \leq 0,15$ % $f_{W,convex} \leq 0,20$ % $f_{L,concave} \leq 0,5$ % $f_{L,convex} \leq 1$ %
Openings between elements, o : Gaps	UNE EN 13329:2016		$o_{average} \leq 0,15$ mm $o_{max} \leq 0,20$ mm
Height difference between elements, h :	UNE EN 13329:2016		$h_{average} \leq 0,10$ mm $h_{max} \leq 0,15$ mm
Dimensional variations after changes in relative humidity, δl , δw	UNE EN 13329:2016		$\delta l_{average} \leq 0,9$ mm $\delta w_{max} \leq 0,9$ mm
Light fastness	EN 20105-A02		Contrast between exposed and unexposed zone: grade ≥ 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, $\varnothing = 11,3$ mm
Surface soundness	UNE EN 13329:2016		$\geq 1,25$ N/mm ²
Abrasion resistance	EN-438-2 EN13329		AC5 (≥ 6000 cycles)
Impact resistance	EN13329		Small ball diameter ≥ 15 N Large ball diameter ≥ 1000 mm
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 pannels (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		≤ 10 %



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 A+ * A+ (better) / C (worst)
Emissions - COV	Conform California normative (California Section 01350) Register number SCS-FS-04556		Exceeds normative values

* 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)

CHARACTERISTICS ACCORDING TO NORM UNE EN 14041

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Reaction to fire	EN 13501		B _{fl} s1
Formaldehyde emission	EN 717-2		E1 (< 3,5 mg/m ² h)
Antistatic charge classification	EN 1815		Antiestatio < 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