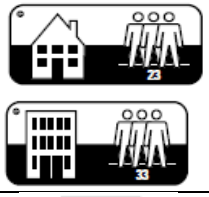
TECHNICAL SPECIFICATIONS FOR LAMINATE FLOORING
FAUS TILES

GENERAL CHARACTERISTICS

TECHNICAL NORM OF APPLICATION: UNE EN 13329

CHARACTERISTICS	SYMBOLS	REQUIREMENTS
Thickness of the element, *t*:		**t** average ≤ 0,50 mm, relative to nominal value. **t**máx. - **t**mín. ≤ 0,50 mm
Length of the surface layer, *l*:		For nominal values ≤ 1500 mm: Measures value shall no exceed **l** ≤ 0,5 mm.
Width of the surface layer, *w*:		**w** average ≤ 0,10 mm relative to nominal value **w**máx. - **w**mín. ≤ 0,20 mm
Squareness of the element, *q*.		**q**máx.≤ 0,20 mm.
Straightness of the surf layer, *s*:		**s**máx ≤ 0,30 mm/m
Flatness of the element, *f*: - width - Length		**fw**,concave ≤ 0,15 % , **fw** convex ≤ 0,20 % **fl** concave ≤ 0,50 %, **fl** convex ≤ 1,00 %
Openings between elements, *o*: gaps		**O** average ≤ 0,15 mm **O** max. ≤ 0,20 mm
Height difference between elements, *h*		**h** average ≤ 0,10 mm **h** max. ≤ 0,15 mm
Dimensional variations after changes in relative humidity, *δl, δw*		***δl*** average ≤ 0,9 mm ***δw*** average ≤ 0,9 mm
Light fastness		Blue wool scale, not worse than 6, Grey scale, not worse than 4
Static identation		No visible change, i.e. ≤0.01 mm identation using a straight steel cylinder, **Ø= 11.3 mm**
Surface soundness		≥ 1,0 N/mm^2

OTHERS REQUIREMENTS IN ACORDING TO EN-13329

Abrasion resistance	EN-438-2 **EN13329**		**AC6** (≥ 8500 Cicles)
Impact resistance	EN-438-2 **EN13329**		**CLASS IC3** ≥15 N (Small diameter ball test) ≥1600 mm (Large diameter ball test 324 g)
Level of use	EN 13329		**CLASS 23** DOMESTIC HEAVY **CLASS 33** COMERCIAL HEAVY
Resistance to staining	EN-438-2 **EN13329**		Groups 1-2 ≥ 5 Group 3 ≥ 4
Resistance to cigarette burns	EN-438-2 **EN13329**		Grade ≥ 4 Moderate change in brightness
Effect of a forniture leg	EN 424 (Pata tipo 0) EN 13329		No damage shall be visible when tested with foot type 0.
Effect of a castor chair	EN 425 EN 13329		No change in appearance or damage, as definied in EN425. Using wheel definied in EN 12529
Thickness swelling	EN 13329		≤ 10 %

CHARACTERISTICS OF BOARD

Characteristics	Norm	Requirements
Kind of board	EN 321 / EN 317	Hight density fiber board (HDF) resistant to humidity
Density	EN 323	850-950 Kg/m³
Formaldehyde content	EN 120	E1 (<8mg/100g)

ADDITIONAL REQUIREMENTS

Humidity at dispatch from the manufacturer	EN-322 EN13329	The elements shall have a moisture content of 4% to 10%. Any single batch shall be homogeneous with Hmax – Hmin ≤3 % .
Appearance, surface defects	EN-438 EN13329	EN 438

SUITABLE FOR RADIANT HEATING

Characteristics	Norm	Symbol	Requirement
RADIANT HEATING	En 12667		SUITABLE (With appropriate underlay).

CLASSIFICATION IN ACCORDING EMISSIONS DEFINIED IN NORM EN 16000

EMISSIONS - COV	EN 16000		Classified **A+**

Ranking between A+ to C, the best is A+ (lowest emissions of organic compounds volatile).

CHARACTERISTICS ACCORDING TO NORM UNE EN 14041 CE

CHARACTERISTICS	NORM	SIMBOL	CLASSIFICATION
- Reaction to fire	EN 13501		B_{Fl} s1
-Formaldehyde emission	EN 717-2		E1 (< 3,5 mg/m^2 h)
-Content in PCP	CEN/TR 14823		< 5ppm
-Antistatic charge classification	EN 1815		< 2 KV

CLASSIFICACION ACCORDING TO SPANISH BUILDING TECNIC CODE (DB SUA-1):
Class 1 according to test described in UNE ENV 12633-2003.