








**FINSA**  
soluciones en madera









## FINfloor ECO 12

CLASSIFICATION ACCORDING TO EN 685Rev: 02/03/2014

CARACTERISTIQUES	SYMBOL	REQUIREMENT	TEST METHOD
USE LEVEL		DOMESTIC INTENSE, COMMERCIAL INTENSE	EN 685:95 ANNEX A
CLASS		33	EXAMPLES: HALLS, DEPARTMENT STORES, SCHOOLS, MULTIPURPOSE ROOMS, OPEN OFFICE (OPEN LAYOUT)
GENERAL SPECIFICATIONS			
CARACTERISTIQUES	SYMBOL	REQUIREMENT	TEST METHOD
Thickness of element (t); t =12 mm		$\Delta t_{av}$ , (relative to nominal value)0,50 t max -t min0,50	EN 13329 ANNEX A
Length of the surface layer (l) l=1310 mm		$\Delta l$ 0,5	EN 13329 ANNEX A; EN 13329 ANNEX A
Width of the decorative surface (w ) w =194 mm		$\Delta w_{av}$ , (relative to nominal value)0,10w max - w min0,20	EN 13329 ANNEX A
Squareness of the element (q)		Qmax =<0,10 mm	EN 13329 ANNEX A
Straightness of the surface layer (s)		smax =<0,30 mm	EN 13329 ANNEX A
Longitudinal flatness (f)		fconcavo=<6 mmfconvexo=<6 mm	EN 13329 ANEXO A
Transversal flatness (f)		fconcavo =<0,20 mmfconvexo =<0,20 mm	EN 13329 ANEXO A
Opening between elements (o)		oaverage =<0,15omax =<0,20	EN 13329 ANNEX B






Height between elements (h)		$h_{medio} \leq 0,07h_{max} \leq 0,10$	EN 13329 ANNEX B
Dimensional variations after changes in relative humidity (l,w)		$\Delta l_{av} \leq 0,9d$ $w_{medio} \leq 0,9$	EN 13329 ANNEX C
Light fastness		Blue wool scale, part B02, not worse than 6 Grey scale, part A02, higher or equal to 4	EN-ISO 105 / EN 20105
Static indentation		No visible changes i.e. $\leq 0,01$ mm indentation using a straight steel cylinder with 11,30 mm diameter	EN 433
Surface soundness		$\geq 1,20$ N/mm <sup>2</sup>	EN 13329 ANNEX D

#### CLASSIFICATION REQUIREMENTS AND LEVEL OF USE

CARACTERISTIQUES	SYMBOL	REQUIREMENT	TEST METHOD
Abrasion resistance		AC 5	EN 13329 ANNEX E
Impact resistance		IC 3	EN 13329 ANNEX F
Staining resistance		5 (gr 1 - 2) 4 (gr. 3)	EN 438
Effect of a furniture leg		No damage shall be visible when tested with foot	EN 424
Effect of a castor chair		No changes in appearance or damage, as defined in EN425. Single-wheel castor, as defined in EN 12529:1998, 5.4.4.2. (Type W).	EN 425
Thickness swelling		$\leq 12,0\%$	EN 13329 ANNEX G

#### ADDITIONAL PROPERTIES

CARACTERISTIQUES	SYMBOL	REQUIREMENT	TEST METHOD
Humidity at dispatch from manufactured		The element shall have a moisture content of 4% to 10%. Any single batch must be homogeneous with $H_{max} - H_{min} = < 3\%$	EN 322
Appearance, surface defects		Minor surface defect as defined in EN438 are permitted	EN 438

Edges sealing		Complete edge sealed with oil-wax product forenhance water resistant	INTERNAL
Mechanical locking strenght		fmax long. >=5 KN/m fmax transv. >=5 KN/m f0,2 long. >=3 KN/m f0,2 transv. >=3 KN/m	ISO 24334:2006
Formaldehyde emissions HCHO		0.11 ppm	CARB PHASE 2/EPA TSCA TITLE VI ASTM E 1333-14
Reaction to fire		Bfl s1	EN 14041 / EN 13501-1 / EN ISO 9239-1 / EN ISO 11925-2
Slip resistance coefficient under dry conditions		Class DS (>=0,3)	EN 14041 / EN 13893
Slip resistance		35>Rd>15	EN 12633:2003
		Class 1	CTE DB SUA 1
Electrical behaviour		The measurement of the body voltage at23°C/25% humidity are =<2kV. Fulfils thecriteria for the classification as an AntistaticFloor Covering	EN 14041 / EN 1815
Electrical behaviour / vertical resistance		Antistatic Floor "ASF – Class 2" in accordancewith the international standard IEC 61340-4-1:1995	EN 14041 / EN 1815
Thermal Resistance		Without Underlay: 0,06 m2·K/W + FINfloor PE Underlay 0,154 m 2·K/W+ Finfloor Silent Underlay 0,127 m 2 ·K/W Suitablefor warm-water underfloor heating systems	EN 14041 / EN 12664
Antibacterial efficiency		Reduction of bacterial activity in 24 hours ≥ 99.9% according to tests carried out at the IMSL	ISO 22196
CE Certificate		0	EN 14041

The above information is subject to modifications for the benefit of further improvements.

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