



GFIX “FX” Cork Floating Floor Panels

EuroCork General Technical Specification

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References

This specification applies to all EUROCORK references of floating floor panels of type GN-FX... with “GFIX” profile.

Definition

Panels consisting of a compact high density fibreboard layer, a bonded surface layer of agglomerated cork floor covering and a back layer of soft agglomerated cork.

The core material (substrate) is tongued and grooved with a special profile design (UNICLIC®) to allow the panels to be assembled together mechanically, without the use of glue.

The edges of each panel elements are protected by “JointShield”. Using a patented coating technology, a moisture-repellent agent is constantly applied to the entire cross-section of the profile.



Materials

Surface (A): Agglomerated cork floor covering (solid or veneered) according to EN 12104.

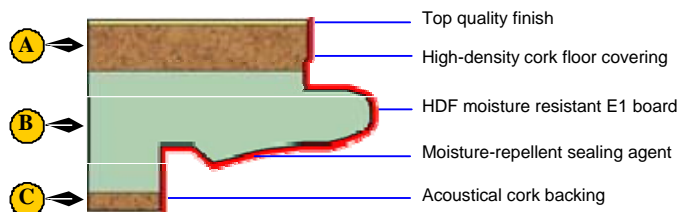
Substrate (B): High density fibreboard with very low formaldehyde content (E1) and high moisture resistance properties.

Backing (C): Soft agglomerated cork sheet.

Glue: Solvent-free PVA glue (D3 grade).

Finish: UV varnish; waterbased varnish; waterbased hard-wax; UV hard oil.

Sealant: Impregnating oil-paraffin wax composition.



Dimensions

Dimensions (length x width)	Thickness			
	Total	Cork surface (A)	HDF core (B)	Cork backing (C)
mm	mm	mm	mm	mm
910 x 300 (*)	10,0 2,7	6,0 1,3		
	10,5 (*)	2,7	6,0	1,8
6, 910 x 195	11,0 2,7	5 1,8		
300 x 300	11,0 3,0	6,5 1,5		
	12,0 3,0	6,5 2,5		

(*) Standard dimension



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Specification Requirements

Tolerances		Deviation		Openings	Height difference between panels	Dimensional variation
Length / width	thickness squareness	straightness	between panels			
EN 427 %	EN 428 mm	EN 427 mm	EN 427 mm	EN 14085 mm	EN 14085 mm	EN 669 %
≤ 0,1	< 0,20	< 0,3	< 0,20	≤ 0,10	≤ 0,15	≤ 0,5

GFIX profile tensile joint strength

Tensile joint strength		
Side	Specification kN / m	Required force to disconnect a panel (approx.)
Short	> 9	270 kgf (300mm)
Long	> 5,5	500 kgf (910mm)

Note: GFIX is a revolutionary system for installing cork floating floors without using glue. GFIX uses the patented Uniclic® ingenious form of tongue and groove to “click” the panels together.

Classification Requirements

Class (based on level of use)	Thickness of surface layer	Density of surface layer
	mm	kg/m ³
EN 685		
21 - Domestic moderate	≥ 2,5	≥ 400
22 - Domestic general	≥ 2,5	≥ 450
23 - Domestic heavy	≥ 2,5	≥ 450
31 - Commercial moderate	≥ 3,0	≥ 500

Other Characteristics

All characteristics regarding the cork surface layer (colouring, finishing, etc.) are the same as the corresponding cork floor covering and according to its technical specification.

All characteristics regarding the cork backing are according to GN-10 or GN-11 specification.

Fibreboard Properties

Specially manufactured for use in areas with temporary high levels of relative humidity.

Low formaldehyde content class E1, good dimensional stability and low swelling.

The fibreboard is supplied coloured green.

Fibreboard General Characteristics (average values)

Property	Units	Specification	Test method
Density	Kg/m ³	880 EN	323
Internal Bond	N/mm ²	1.5 EN	319
Bending Strength	N/mm ²	40 EN	310
Modulus of Elasticity	N/mm ²	3500 EN	310
Thickness Swelling 24 hours	%	12 EN	317
Thickness Swelling permanent	%	19 EN	321