

References

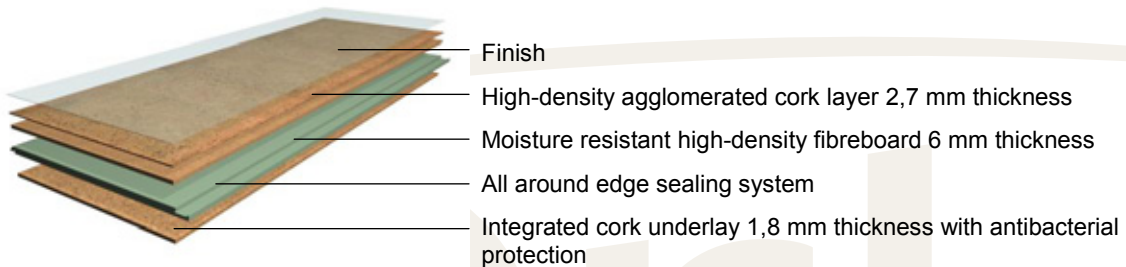
This specification applies to all GRANORTE's references of floating floor panels with a cork surface layer, type GN-FX... with "GFIX" profile.

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: 2,7mm thickness high-density agglomerated cork floor covering (solid or veneered) according to EN 12104.
- Substrate: High density fibreboard with very low formaldehyde content (E1) and high moisture resistance properties.
- Backing: Insulating soft agglomerated cork sheet with Microban® antibacterial protection.
- Glue: Solvent-free PVA glue (D3 grade).
- Finish: UV varnish; waterbased varnish; waterbased hard-wax; UV hard oil.
- Sealant: Impregnating oil-paraffin wax composition.







Classification Requirements based on intensity of use



Classification of the cork surface layer of floor panels shall be in accordance with the scheme established in EN 685 and shall, as appropriate, conform to EN 12104. The nominal thickness of the surface layer shall be in accordance with table 2 of EN 14085.

Class	Symbol	Level of use	Thickness of surface layer	Density of surface layer
23		Domestic Heavy	2,7 mm	> 450 Kg/m ³

Specification Requirements

Characteristic	Symbol	Requirement	Test method
Length and width measured at the surface layer		910x300 mm 0,10%	EN 427
Overall thickness		10,5 mm 0,20 mm	EN 428
Squareness		< 0,3 mm	EN 427
Straightness measured at the surface layer		< 0,2 mm	
Flatness of the panel			EN 14085 Annex A
Length - Concave / Convex		0,1 % / 0,5 %	
Width - Concave / Convex		0,05 % / 0,1 %	
Openings between panels			EN 14085 Annex B
Average Individual values		0,10 mm 0,15 mm	
Height difference between panels			EN 14085 Annex B
Average Individual values		0,15 mm 0,20 mm	
Residual indentation		0,3 mm	EN 433
Dimensional variation caused by changes in atmospheric humidity		0,2 %	EN 669 Annex C

Safety Properties

Characteristic	Symbol	Requirement	Test method
Reaction to fire		Class D _{fl} - S1	EN 14041 EN 13501-1
Formaldehyde emission		Formaldehyde Class E1 Release 3,5 mg/m ² h	EN 14041 EN 717-2
Slip resistance		Technical class DS. dynamic coefficient of friction 0,30	EN 14041 EN 13893

Additional Properties

Characteristic	Symbol	Requirement	Test method
Mass per unit area		Average 7.500 g/m ²	EN 430
Apparent density		Average 720 Kg/m ³	EN 672
Locking strength		F _{long} > 5 kN / m F _{short} > 8 kN / m	Internal
Abrasion resistance		Revolutions to initial point Average 5.000	Internal
Impact resistance (small ball)		> 70 N	EN 438
Scratch resistance		2,0 N	EN 438
Impact noise reduction		ΔL _w = 18 dB	EN ISO 140-8
Thermal resistance		0,114 m ² .K/W	EN 14041 EN 12664
Electrical behaviour		Antistatic floor covering The body voltage shall not exceed 2,0 kV	EN 14041 EN 1815

Packing

Cork floating floor panels shall be dispatched in cardboard trays (normally 6 panels per package) wrapped in shrinking foil, providing suitable protection for normal transport and storage conditions. Packages shall be marked with identifying information by a label and/or inkjet printing and palletized. Each pallet is over strapped and wrapped with stretch film.

Dimensions (length x width)	Package			
	Planks per pack	m ² per pack	Packs per pallet	m ² per pallet
910 x 300 mm	6	1,64 m ²	60	98,28 m ²