

ASSORTMENT & PLANK - FLOATING FLOOR TECHNICAL SPECS

References

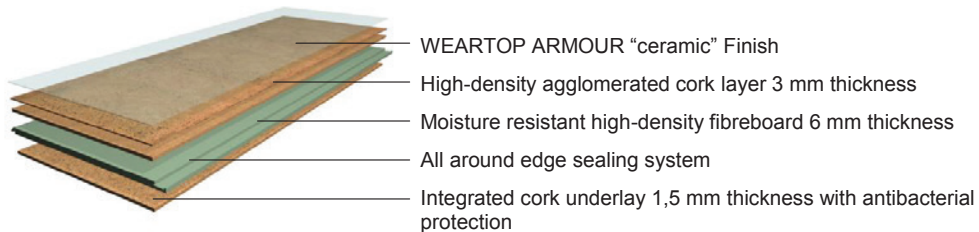
This specification applies to all APC CORK references of floating floor panels with a cork surface layer, from the collection with the trade name Assortment, Olympian, Gem, Plank.

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: 3mm 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: Hard-wear multilayer UV finish.
 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	 3 mm	 > 500 Kg/m ³
32		Commercial General		




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Specification Requirements





Characteristic		Requirement	Test method
Length and width measured at the surface layer		910x300 mm \pm 0,10%	EN 427
Overall thickness		10,5 mm \pm 0,20 mm	EN 428
Thickness of surface layer		3,0 mm (-0,0; + 0,2)	EN 428
Density of surface layer		> 500 Kg/m ³	EN 672
Squareness Straightness measured at the surface layer		< 0,3 mm < 0,2 mm	EN 427
Flatness of the panel			EN 14085 Annex A
Length - Concave / Convex Width - Concave / Convex		\leq 0,10 % / \leq 0,5 % \leq 0,05 % / \leq 0,1 %	
Openings between panels Average Individual values		\leq 0,10 mm \leq 0,15 mm	EN 14085 Annex B
Height difference between panels Average Individual values		\leq 0,15 mm \leq 0,20 mm	EN 14085 Annex B
Dimensional variation caused by changes in atmospheric humidity		\leq 0,15 %	EN 669 Annex C
Residual indentation		\leq 0,25 mm	EN 433

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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
Gloss		8° ± 3	Glossmeter
Mass per unit area		Average 8.000 g/m ²	EN 430
Apparent density		Average 760 Kg/m ³	EN 672
Locking strength		F _{long} > 5 kN / m F _{short} > 8 kN / m	Internal
Abrasion resistance		Revolutions to initial point (IP) 6.000 2.000	Internal (CS17) EN 438-2 (S42)
Impact Insulation Class (IIC)		52 dB	ASTM C1028-89
Scratch resistance		2,0 N	EN 438-2



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Additional Properties

Characteristic	Symbol	Requirement	Test method
Sound Transmission Class (STC)		58 dB	ASTM E-413-10
Thermal resistance		0,114 m ² .K/W	EN 14041 EN 12667
Thermal conductivity		0,092 W/m.K	EN 14041 EN 12667
Electrical behaviour		Antistatic floor covering The body voltage shall not exceed 2,0 kV	EN 14041 EN 1815

Packing

Floating floor panels shall be dispatched in cardboard trays, 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 x thickness)	Package			
	Planks per pack	sq. ft per pack	Packs per pallet	sq. ft per pallet
910mm x 300mm x 10.5 mm	7	Aprox. 21	72	1512 sq ft

Limited Warranty

We certify that the product is free from manufacturing and structural defects and will remain free of these defects for as long as you own your floor. The following cork floating floors come with a lifetime residential wear guarantee under normal residential use and with proper maintenance: The Assortment, The Olympian, Gem Collection, The Plank. See www.ApcCork.com for full warranty information.

Supplementary information

Additional technical information or maintenance and laying instructions of cork floor coverings can be obtained at www.ApcCork.com.



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Technical Features



Industry leading patented UNICLIC® locking system and GFIX join performance.



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.



High performance finish with very high wear, impact, scratch and slip resistance.



Low swelling and moisture resistant High Density Fibreboard.



Embedded antibacterial and fungus protection using Microban® antibacterial technology.



Indoor air quality certification for low-emitting interior building materials.



Kork-Logo certification of the German Cork Association.



Formaldehyde-free agglomeration technology.

Normative references

EN 427	Resilient floor coverings - Determination of the side length and the squareness and straightness of tiles
EN 428	Resilient floor coverings - Determination of the overall thickness
EN 430	Resilient floor coverings - Determination of mass per unit area
EN 433	Resilient floor coverings - Determination of residual indentation after static loading
EN 669	Resilient floor coverings - Determination of dimensional stability of linoleum tiles caused by changes in atmospheric humidity
EN 672	Resilient floor coverings - Determination of apparent density of agglomerated cork
EN 685	Resilient floor coverings - Classification
EN 12104	Resilient floor coverings - Specification for cork floor tiles
EN 14085	Resilient floor coverings - Specification for panels for loose laying
EN 14041	Resilient, textile and laminate floor coverings - Essential characteristics
ASTM E-989-89	(1999) Standard Classification for Determination of Impact Insulation Class (IIC)
ASTM E413-10	An ASTM designation number identifies a unique version of an ASTM standard. E = miscellaneous subjects; 413 = assigned sequential number; 10 = year of original adoption (or, in the case of revision, the year of last revision)



Certification for safety and energy-saving performance



Product made on a production line certified ISO 9001