

## VITA CORK FLOATING FLOOR TECHNICAL SPECIFICATION

### References

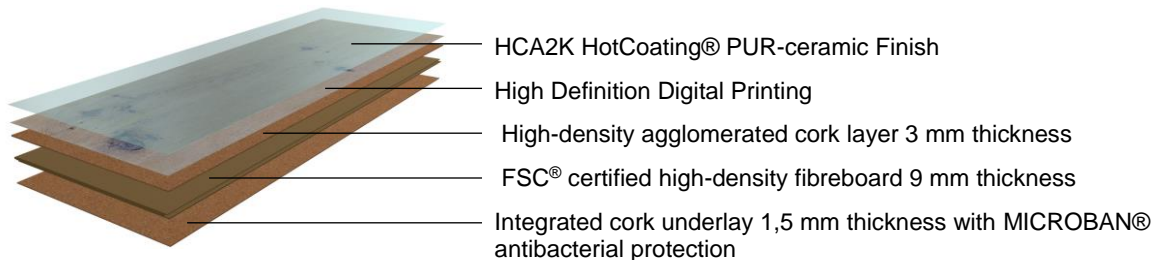
This specification applies to all GRANORTE's references of floating floor panels with a cork surface layer digitally printed, from the collection with the trade name VITA.

### 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 cork surface layer is coated using a proprietary high definition digital printing technology and a hard-wearing finish. 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.

### Materials

- Surface: 3 mm thickness high-density agglomerated cork.
- Substrate: High density fibreboard with very low formaldehyde content (E1) and low swelling properties.
- Backing: Insulating soft agglomerated cork sheet with Microban® antibacterial protection.
- Glue: Solvent-free PVA glue (D3 grade).
- Finish: Hard-wear multilayer Hotcoating® - Waterbased finish.











### 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 ISO 10874 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	Level of use	Thickness of surface layer	Density of surface layer
23	Domestic Heavy	3 mm	> 600 Kg/m <sup>3</sup>
32	Commercial General		




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### Specification Requirements









Characteristic		Requirement	Test method
Length and width measured at the surface layer		1746 x 194 mm ± 0,10%	EN 427
Overall thickness		13,5 mm ± 0,20 mm	EN 428
Thickness of surface layer		3,0 mm (-0,0; + 0,2)	EN 428
Density of surface layer		> 600 Kg/m <sup>3</sup>	EN 672
Squareness Straightness measured at the surface layer		< 0,3 mm < 0,2 mm	EN 427
Flatness of the panel Length - Concave / Convex Width - Concave / Convex		≤ 0,10 % / ≤ 0,5 % ≤ 0,05 % / ≤ 0,1 %	EN 14085 Annex A
Openings between panels Average Individual values		≤ 0,10 mm ≤ 0,15 mm	EN 14085 Annex B
Height difference between panels Average Individual values		≤ 0,15 mm ≤ 0,20 mm	EN 14085 Annex B
Dimensional variation caused by changes in atmospheric humidity		≤ 0,2 %	EN 669 Annex C
Residual indentation		≤ 0,25 mm	EN 433
Castor chair		No disturbance to the surface other than slight change in appearance and no delaminating shall occur	EN 425
Simulated movement of a furniture leg		No damage shall be visible when tested with foot type 2	EN 424

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### Safety Properties

Characteristic		Requirement	Test method
Reaction to fire		Class D <sub>fl</sub> – s1	EN 14041 EN 13501-1
Formaldehyde emission		Formaldehyde Class E1 Release ≤ 3,5 mg/m <sup>2</sup> h	EN 14041 EN 717-2
Slip resistance		Technical class DS. dynamic coefficient of friction ≥ 0,30	EN 14041 EN 13893

### Additional Properties

Characteristic		Requirement	Test method
Gloss		8° ± 3 (measured at 60°)	Glossmeter
Mass per unit area		Average 9.700 g/m <sup>2</sup>	EN 430
Apparent density		Average 720 Kg/m <sup>3</sup>	EN 672
Locking strength		F <sub>long</sub> > 4 kN / m F <sub>short</sub> > 8 kN / m	Internal
Abrasion resistance		Revolutions to initial point (IP) > 10.000 > 4.000	Internal (CS17) EN 438-2 (S42)
Impact resistance (small ball)		> 60 N	EN 438-2
Scratch resistance		2,0 N	EN 438-2
Impact noise reduction		ΔL <sub>w</sub> = 18 dB	EN ISO 140-8
Thermal resistance Thermal conductivity		0,128 m <sup>2</sup> .K/W 0,105 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

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### 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	m <sup>2</sup> per pack	Packs per pallet	m <sup>2</sup> per pallet
1746 x 194 x 13,5 mm	5	1,69 m <sup>2</sup>	52	87,9 m <sup>2</sup>

### 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.

We guarantee that the surface finish of the VITA floors will not wear through within 20 years (Residential) or 10 years (Commercial), under normal residential or commercial use and with proper maintenance.

See [www.granorte.com](http://www.granorte.com) for full warranty information.

### Supplementary information

Additional technical information or maintenance and laying instructions of cork floor coverings can be obtained at our Service & Support page on our website at [www.granorte.com](http://www.granorte.com).

### Technical Features



Industry leading patented UNICLIC® locking system.



HotCoating® PUR and waterbased finish with very high wear, impact and chemical resistance with a natural look-and-feel.



Low swelling and moisture resistant High Density Fibreboard. E1, CARB phase 2 and Lacey Act compliant.



Micro-bevelled edge aesthetic enhancement.



Formaldehyde-free cork agglomeration technology.



Proprietary High Definition Digital Print with variable dot printing technology that delivers unrivalled print quality over cork.



Production technology that finely emboss wood structure making floors look and feel natural.



FSC® Certified product.

## VITA CORK FLOATING FLOOR TECHNICAL SPECIFICATION

### Technical Features



Indoor air quality certification for low-emitting interior building materials, meeting strict chemical emissions limits, which contribute to the creation of healthier interiors for sensitive individuals such as children and the elderly.



Kork-Logo certification of the German Cork Association.



Very low indoor air emissions of VOC's, labelled A+ according to the French decree for the labelling of construction products.



Exclusive Microban® antibacterial protection embedded in the agglomerated cork.



Certification for safety and energy-saving performance



Product made on a production line certified ISO 9001

### Normative references

EN 424	Resilient floor coverings - Determination of the effect of the simulated movement of a furniture leg
EN 425	Resilient and laminate floor coverings - Castor chair test
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 438-2	Decorative high-pressure laminates (HPL) sheets based on thermosetting resins. Determination of properties
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 ISO 10874	Resilient, textile and laminate 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
EN 140-8	Acoustics - Measurement of sound insulation in buildings and of building elements - Part 8: Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor