



## 3DFORMS 3D CORK WALL TILES TECHNICAL SPECIFICATION

GENERAL DEFINITION AND PRODUCT COMPOSITION		
Description	Solid agglomerated cork tiles, to be used as interior wallcovering, in accordance with EN 12781. Tiles are shaped by CNC machining, in 3 different shapes and 2 sizes, 300x300 mm and 150x150 mm, and have a maximum thickness of 30 mm. The surface is finished with a waterbased protector for increased water and stain resistance.	
Dimensions	Art. 311 XXX XXX 300x300x30 mm	Art. 310 XXX XXX 150x150x30 mm
Finish	CORKGUARD® Aqueous dispersion based on SCOTCHGARD™ and a combination of resins, designed to provide excellent water, oil and stain repellent properties on natural cork. With CleanSurface powered by Microban® antimicrobial technology.	
Product structure		
	Finish: CORKGUARD® (clear or coloured). Core: CNC machined agglomerated cork.	
Installation	Glued, according to installation instructions.	
TECHNICAL DATA		
Length and width	EN ISO 24342	300 x 300 mm ± 0.5 % 150 x 150 mm ± 0.5 %
Overall thickness	ISO 7322	30 mm ± 0.5 mm



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<b>TECHNICAL DATA</b>		
Squareness Straightness	EN ISO 24342	< 0.4 mm < 0.3 mm
Apparent density	ISO 7322	200 Kg/m <sup>3</sup>
Mass per unit area	EN ISO 23997	3170 g/m <sup>2</sup> (average)
Dimensional variation	EN ISO 23999	< 0.4 %
Moisture content	EN 12105	< 8 %
Curling	EN ISO 23999	< 6 mm
Reaction to fire	EN ISO 11925-2 EN 13501-1	Extent of flame < 150 mm. No flaming droplets. Fire class E
Formaldehyde release	EN 12149	Fulfilled. No formaldehyde-containing materials are added during production.
Release of vinyl chloride monomer (VCM)	EN 12149	Fulfilled. Below Detection Limit
Heavy metals and specific elements Arsenic; Barium; Cadmium; Chromium; Mercury; Lead; Antimony; Selenium	EN 12149	Fulfilled None of these substances are added or have come in direct contact with the product during the manufacturing process
Weighted sound absorption coefficient	EN ISO 354	$\alpha_w = 0.1$
Thermal resistance Thermal conductivity	EN 12667	0.61 (m <sup>2</sup> .K)/W 0.05 W/(m.K)
VOC emission	ISO 16000 parts 3, 6, 9	Fulfilled AgBB scheme Fulfilled French Classification A+
<b>GENERAL DATA</b>		
Features	Safe and easy to handle and install; Effective reduction of airborne sound; Increases the thermal comfort; Persistence of characteristics along time; Without the release of toxic gases when burning; Lightweight, flexible and odourless; No harmful chemicals; Natural, biodegradable and recyclable product;	



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Packaging	<p>3DForms tiles are packed in cardboard cartons, each containing 72 modules 150x150 or 18 modules 300x300, providing suitable protection for normal transport and storage conditions. Cartons are identified by a label and/or inkjet printing and palletized. Each pallet is over strapped and wrapped with stretch film.</p> <p>Tiles per carton: 72 (150x150mm) or 18 (300x300mm)            Sqm per carton: 1.62 m<sup>2</sup>            Weight per carton: 6 Kg            Cartons per pallet: 42            Sqm per pallet: 68 m<sup>2</sup></p>
Limited warranty	We certify that the product is free from manufacturing and structural defects and will remain free of these defects.
Environment	<p>The use of a natural and renewable raw-material and the possibility of total recycling of the product, make 3DFORMS a reference in terms of ecology and environmental sustainability.</p> <p>3DFORMS tiles composition is more than 90% natural cork, all coming from recycling post-industrial cork by-products.</p> <p>It contains no PVC and no softeners or other substances hazardous to health or the environment.</p>



FSC® certified products are available upon request

GRANORTE reserves the right to make changes to material and structure to improve the quality or technical performance.