

MAT CORK WALL TILES

TECHNICAL SPECIFICATION

GENERAL DEFINITION AND PRODUCT COMPOSITION

Definition	Veneered agglomerated cork tiles to be used as wallcoverings within buildings. Tiles are produced by gluing one decorative cork veneer with one backing of agglomerated cork. Tiles are cut in the dimensions of 900 x 300 mm and have a thickness of 4 mm. The surface is raw textured and finished with a coloured waterbased protector for increased water and stain resistance.
Dimensions	900 x 300 x 4 mm
Product structure and materials	Raw texture agglomerated cork veneer; Agglomerated cork backing; CORKGUARD [®] Aqueous dispersion, coloured.
Installation system	Glued

TECHNICAL DATA

Length and width	EN ISO 24342	900 x 300 mm ± 0.4 %
Overall thickness	ISO 7322	4 mm ± 0.3 mm
Squareness Straightness	EN ISO 24342	< 0.5 mm < 0.3 mm
Apparent density	ISO 7322	300 Kg/m ³
Mass per unit area	EN ISO 23997	1200 g/m ² ± 10 %
Tensile strength	ISO 7322	> 700 kPa
Compression Recuperation	ISO 7322	< 40 % > 75 %
Dimensional variation	EN ISO 23999	< 0.4 %
Moisture content	EN 12105	< 8 %
Curling	EN ISO 23999	< 6 mm
Reaction to fire	EN 13501-1	Fire class E
Formaldehyde emission	EN 12149	Below Detection Limit No formaldehyde-containing products are added during the manufacturing.

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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
Release of vinyl chloride monomer	EN 12149	Fulfilled. Below Detection Limit
Thermal resistance Thermal conductivity	EN 12667	0.07 (m ² .K)/W 0.05 W/(m.K)
Sound absorption	ISO 354	Weighted sound absorption coefficient $\alpha_w = 0.05$
GENERAL DATA		
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;	
Packaging	MAT tiles are packed in cardboard cartons, each containing 22 tiles, 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. Tiles per carton: 22 Sqm per carton: 5.94 m ² Weight per carton: 6 Kg Cartons per pallet: 56 Sqm per pallet: 332.6 m ²	
Lifetime limited warranty	We certify that the product is free from manufacturing and structural defects and will remain free of these defects.	
Environment	The use of a natural and renewable raw-material and the possibility of total recycling of the product, make MAT a reference in terms of ecology and environmental sustainability. MAT tiles are made using more than 90% cork, which is a renewable raw material. It contains no PVC and no softeners or other substances hazardous to health or the environment.	



EN 15102:2011

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