# MAT
## CORK WALL TILES
## TECHNICAL SPECIFICATION

| | | |
|---|---|---|
| **GENERAL DEFINITION AND PRODUCT COMPOSITION** | | |
| Description | Rough textured veneered agglomerated cork tiles to be used as interior wallcovering, in accordance with EN 12781.<br>Tiles have a decorative cork veneer adhered on a core of agglomerated cork.<br>Tiles are cut in the dimensions of 900x300 mm and have a thickness of 4 mm.<br>The surface is rough textured (without any sanding) and is finished with a coloured waterbased protector for increased water and stain resistance. | |
| Dimensions | 900 x 300 x 4 mm | |
| Finish | CORKGUARD®<br>Aqueous dispersion based on SCOTCHGARD™ and a combination of resins, designed to provide excellent water, oil and stain repellent properties on natural cork. | |
| Product structure | <br>Finish layer: CORKGUARD®, coloured.<br>Veneer: Rough texture agglomerated cork veneer.<br>Core layer: Agglomerated cork. | |
| Installation | Glued, according to installation instructions. | |
| **TECHNICAL DATA** | | |
| Length and width | EN ISO 24342 | 900 x300 mm ± 0.5 % |
| Overall thickness | ISO 7322 | 4 mm ± 0.3 mm |
| Squareness<br>Straightness | EN ISO 24342 | < 0.4 mm<br>< 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 |



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| Compression<br>Recuperation | ISO 7322 | < 40 %<br>> 75 % |
| 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<br>EN 13501-1 | Extent of flame < 150 mm. No flaming droplets.<br>Fire class E |
| Formaldehyde release | EN 12149 | Fulfilled.<br>No formaldehyde-containing materials are added during production. |
| Release of vinyl chloride monomer (VCM) | EN 12149 | Fulfilled.<br>Below Detection Limit |
| Heavy metals and specific elements<br>Arsenic; Barium; Cadmium; Chromium; Mercury; Lead; Antimony; Selenium | EN 12149 | Fulfilled<br>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<br>Thermal conductivity | EN 12667 | 0.09 ($m^2$.K)/W<br>0.05 W/(m.K) |
| VOC emission | ISO 16000<br>parts 3, 6, 9 | Fulfilled AgBB scheme<br>Fulfilled French Classification A+ |
| **GENERAL DATA** | | |
| Features | Safe and easy to handle and install;<br>Effective reduction of airborne sound;<br>Increases the thermal comfort;<br>Persistence of characteristics along time;<br>Without the release of toxic gases when burning;<br>Lightweight, flexible and odourless;<br>No harmful chemicals;<br>Natural, biodegradable and recyclable product; | |
| Packaging | 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.<br><br>Tiles per carton: 22<br>Sqm per carton: 5.94 $m^2$<br>Weight per carton: 7 Kg<br>Cartons per pallet: 56<br>Sqm per pallet: 332.6 $m^2$ | |



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| GENERAL DATA | |
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| 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.<br>MAT tiles composition is about 90% natural cork, all coming from recycling post-industrial cork by-products.<br>It contains no PVC and no softeners or other substances hazardous to health or the environment. |

CORKGUARD water and stain protection

AGGLOPURe no added formaldehyde

89% 89%

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.



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