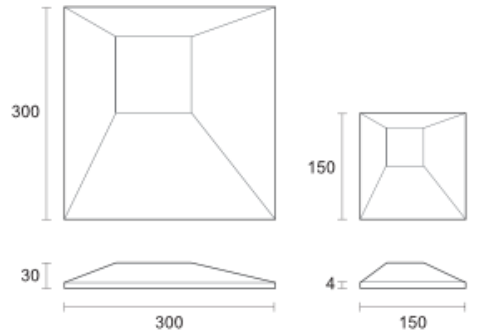
# 3DFORMS

## 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.<br>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.<br>The surface is finished with a waterbased protector for increased water and stain resistance. |
| Dimensions | Art. 311 XXX XXX<br>300x300x30 mm<br>Art. 310 XXX XXX<br>150x150x30 mm<br><br><br>Aztec<br>XXX 110 XXX<br>Ramp<br>XXX 111 XXX<br>Pyramid<br>XXX 112 XXX |
| 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. Finish can be clear (transparent) or coloured. |
| Product structure | <br>Finish: CORKGUARD® (clear or coloured).<br>Core: CNC machined agglomerated cork. |
| Installation | Glued, according to installation instructions. |

# 3DFORMS

3D CORK WALL TILES
TECHNICAL SPECIFICATION

| | | |
|---|---|---|
| **TECHNICAL DATA** | | |
| Length and width | EN ISO 24342 | 300 x 300 mm ± 0.5 %<br>150 x 150 mm ± 0.5 % |
| Overall thickness | ISO 7322 | 30 mm ± 2 mm |
| Squareness<br>Straightness | EN ISO 24342 | < 0.4 mm<br>< 0.3 mm |
| Apparent density | ISO 7322 | 200 Kg/$m^3$ |
| Mass per unit area | EN ISO 23997 | 3170 g/$m^2$ (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<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 | 0.61 ($m^2$.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; | |



GRANORTE®

GRANORTE - Revestimentos de Cortiça, Lda. | Av. Santiago, 68 | 4520-470 Rio Meão | Portugal | info@granorte.pt | www.granorte.pt

# 3DFORMS

3D CORK WALL TILES
TECHNICAL SPECIFICATION

| GENERAL DATA | |
|---|---|
| Packaging | 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.<br><br>Tiles per carton: 72 (150x150mm) or 18 (300x300mm)<br>Sqm per carton: 1.62 $m^2$<br>Weight per carton: 6 Kg<br>Cartons per pallet: 42<br>Sqm per pallet: 68 $m^2$ |
| 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 3DFORMS a reference in terms of ecology and environmental sustainability.<br>3DFORMS tiles composition is more than 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. |

92% 92%

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.



GRANORTE®

GRANORTE - Revestimentos de Cortiça, Lda. | Av. Santiago, 68 | 4520-470 Rio Meão | Portugal | info@granorte.pt | www.granorte.pt