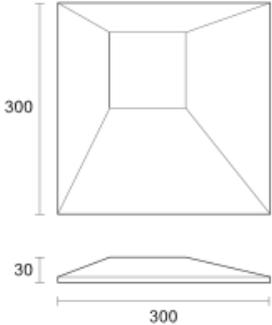
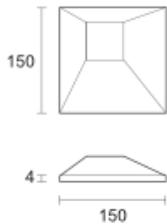


3DFORMS CORK WALL TILES

TECHNICAL SPECIFICATION

GENERAL DEFINITION AND PRODUCT COMPOSITION

| | | |
|---------------------------------|---|--|
| Definition | Solid agglomerated cork tiles to be used as wallcoverings within buildings, contributing significantly to the acoustic and thermal performance of buildings, improving environmental comfort and reducing energy costs. Tiles are shaped by CNC machining (3 different shapes and 2 different sizes) and finished with a waterbased protector for increased water and stain resistance. | |
| Dimensions | Art. 311 XXX XXX 300x300x30 mm | Art. 310 XXX XXX 150x150x30 mm |
| |  |  |
| Product structure and materials |  | |
| | Granulated cork 2.0-3.0 mm size and 45/50 Kg/m ³ density. Polyurethane cork binder. CORKGUARD [®] Aqueous dispersion (clear or coloured). | |
| Installation system | Glued | |
| TECHNICAL DATA | | |
| Length and width | EN ISO 24342 | 300 x300 mm ± 0.5 % 150 x 150 mm ± 0.5 % |
| Overall thickness | ISO 7322 | 30 mm ± 0.5 mm |
| Density | ISO 7322 | 200 Kg/m ³ ± 5 % |
| Moisture content | EN 12105 | < 8 % |
| Resistance to boiling water | ISO 7322 | No disintegration |
| Reaction to fire | EN ISO 11925-2 EN 13501-1 | Extent of flame < 150 mm. No flaming droplets/particles Fire class E |

3DFORMS CORK WALL TILES

TECHNICAL SPECIFICATION

| TECHNICAL DATA | | |
|---|--|--|
| Formaldehyde emission | EN 12149 | Fulfilled. Below Detection Limit (DL=0.1 mg/kg) No formaldehyde-containing products are added during the manufacturing. |
| 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 (DL=0.08 mg/kg) |
| Determination of the sound absorption in a reverberation room | EN ISO 354 EN ISO 11654 | Weighted sound absorption coefficient $\alpha_w = 0.1$ |
| Thermal resistance Thermal conductivity | EN 12667 | 0.614 (m ² .K)/W 0.048 W/(m.K) |
| Sound absorption | ISO 354 | Weighted sound absorption coefficient $\alpha_w = 0.1$ |
| GENERAL DATA | | |
| Features | <p>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, elastic and odourless; No harmful chemicals; Contains 92% of post-industrial recycled content; Natural, biodegradable and recyclable product; Product certified FSC Controlled Wood SA-CW-002408.</p> | |
| 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.</p> <p>Tiles per carton: 72 (150x150mm) or 18 (300x300mm) Sqm per carton: 1.62 m² Weight per carton: 6 Kg Cartons per pallet: 42 Sqm per pallet: 68 m²</p> | |
| Lifetime limited warranty | <p>We certify that the product is free from manufacturing and structural defects and will remain free of these defects.</p> | |
| Environment | <p>3DForms 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.</p> | |



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