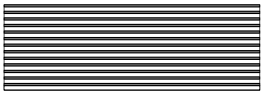
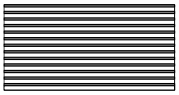
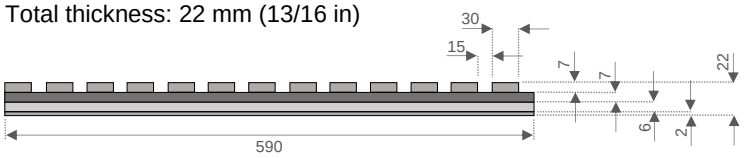
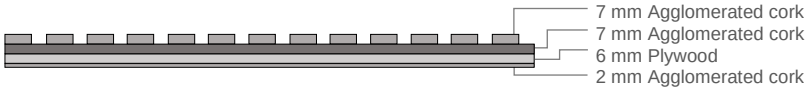
GEO HORIZON

MODULAR ACOUSTIC CORK PANELS
TECHNICAL SPECIFICATION

GENERAL DEFINITION AND PRODUCT COMPOSITION	
Definition	Wall or ceiling multilayer modular acoustic cork panels made from a combination of technical agglomerated cork sheets on a plywood core. The surface is CNC machined. Panels of different dimensions can be combined during installation.
Dimensions	HORIZON L: 1770 x 590 mm (5.8 ft x 1.9 ft)  HORIZON M: 1180 x 590 mm (3.8 ft x 1.9 ft)  HORIZON S: 590 x 590 mm (1.9 ft x 1.9 ft)  Total thickness: 22 mm (13/16 in) 
Product structure and materials	Solid agglomerated cork, natural and expanded, 180-200 Kg/m^3 density. Plywood 500-550 Kg/m^3 density. 
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.
Installation	Glued, nailed or screwed.
TECHNICAL DATA	
Length and width	HORIZON L: 1770 x 590 mm (5.8 ft x 1.9 ft) HORIZON M: 1180 x 590 mm (3.8 ft x 1.9 ft) HORIZON S: 590 x 590 mm (1.9 ft x 1.9 ft) Tolerance from nominal: < 0,4 %
Overall thickness	22 mm Tolerance from nominal thickness: < 0,6 mm
Mass per unit area	5.5 Kg/m^2 ± 5 % (1.12 lbs/ft^2)
Weight per panel	HORIZON L: 5.8 Kg (12.7 lbs) HORIZON M: 3.8 Kg (8.4 lbs) HORIZON S: 1.9 Kg (4.2 lbs)

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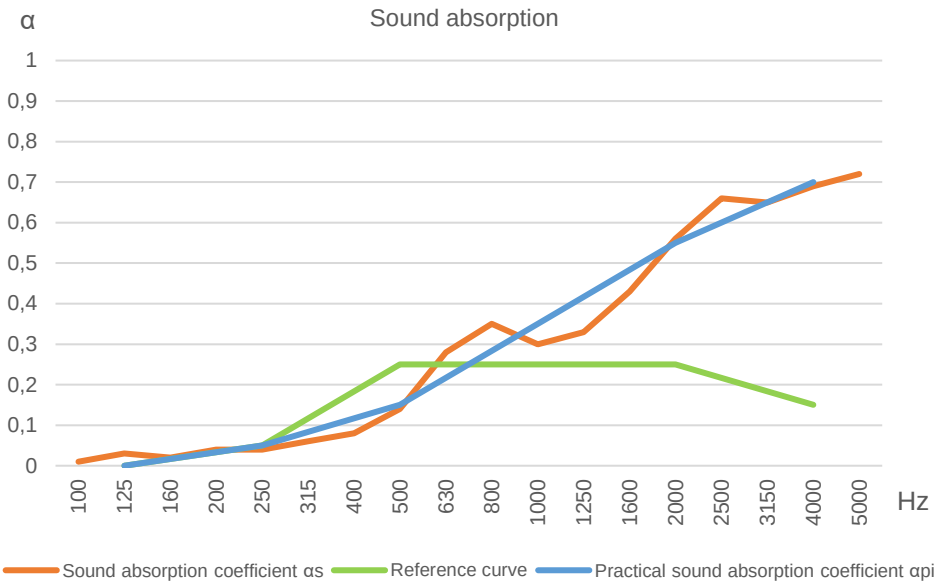
GEO HORIZON

MODULAR ACOUSTIC CORK PANELS
TECHNICAL SPECIFICATION

TECHNICAL DATA	
Sound absorption coefficient EN ISO 354 EN ISO 11654	Weighted sound absorption coefficient α_w = 0,25

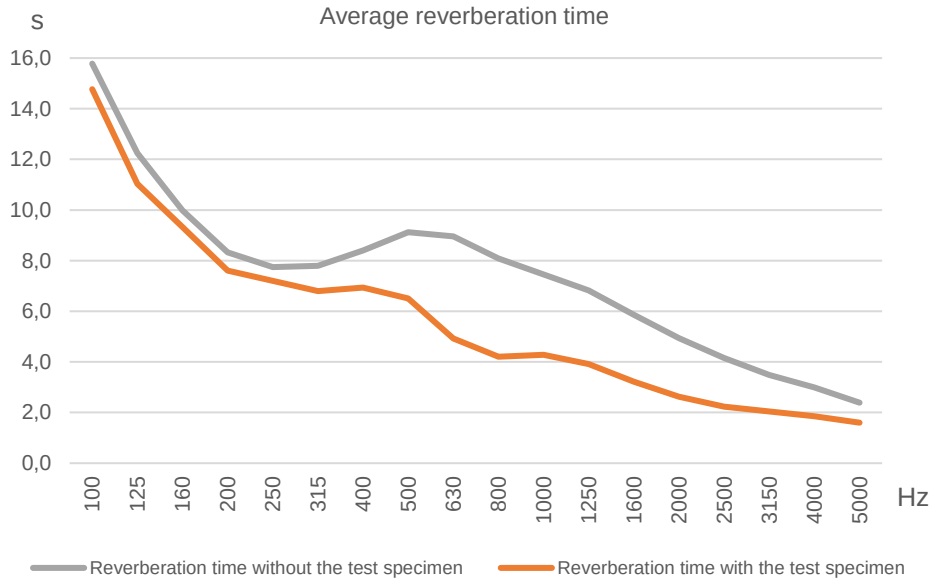
Acoustic Performance in a reverberation room

Sound absorption



Reverberation time

EN ISO 354



Formaldehyde emission	No formaldehyde-containing products are added during the manufacturing.
Heavy metals and specific elements (As, Ba, Cd, Cr, Hg, Pb, Sb, Se) EN 12149	< LOQ (limit of quantification) - Passed None of these substances are added or have come in direct contact with the product during the manufacturing process.

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DELIVERING NATURE

GEO HORIZON

MODULAR ACOUSTIC CORK PANELS
TECHNICAL SPECIFICATION

TECHNICAL DATA	
Release of vinyl chloride monomer (VCM) EN 12149	< LOQ (limit of quantification) - Passed No polyvinyl chloride or products containing vinyl chloride are used during the manufacturing process.
Thermal resistance EN 12667	0,35 m^2K/W
Reaction to Fire Rating EN 13501-1:2018-12	Class E
GENERAL DATA	
Features	Safe and easy to handle; Persistence of characteristics along time; Effective reduction of airborne sound; Increases the thermal comfort; No harmful chemicals; Contains 55% (by weight) of natural cork and 45% of wood; Natural, biodegradable and recyclable product, made using raw materials from sustainable sources; FSC® (C044061) certified product available on request.
Packaging	GEO HORIZON panels are dispatched in packages providing suitable identifying information and protection under normal transport and storage conditions. HORIZON L: 4 panels per carton = 4.18 m^2 (45 sqft); 25 Kg/carton (55 lbs/carton) HORIZON M: 4 panels per carton = 2.78 m^2 (30 sqft); 18 Kg/carton (39 lbs/carton) HORIZON S: 8 panels per carton = 2.78 m^2 (30 sqft); 18 Kg/carton (39 lbs/carton)
Health, Safety and Environment	The use of a natural and renewable raw-material and the possibility of total recycling of the product, make GEO HORIZON panels a reference in terms of ecology and environmental sustainability. GEO HORIZON panels contain no PVC, no softeners or other substances hazardous to health or the environment, namely: - Materials included in the SVHC list of REACH; - Substances considered to be PBT (persistent, bio-accumulative and toxic); - Materials classified as carcinogenic, mutagenic or toxic; - Substances considered to be endocrine disruptors.

certificate no. 2017/CEP.5373

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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