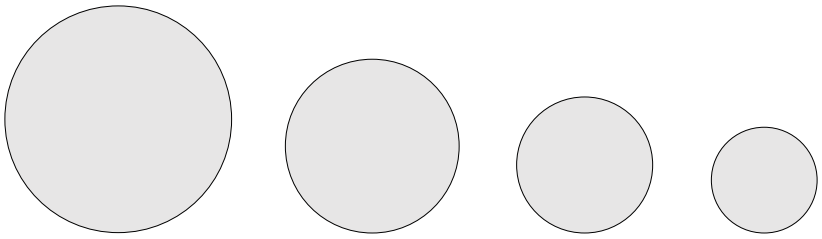
version: 2025.01 | date: 03-02-2025 | subject to errors or modifications

GEO ORBEA

ACOUSTIC CORK MODULES
TECHNICAL SPECIFICATION

GENERAL DEFINITION AND PRODUCT COMPOSITION	
Definition	Wall or ceiling multilayer acoustic cork discrete modules made from a combination of technical agglomerated cork sheets on a plywood core. The modules can be hanged on a wall or suspended from a ceiling with specific accessories. The modules have 4 different dimensions which can be combined freely during installation.
Dimensions	 XL: ∅ 1070 mm (3.5 ft); 0.9 m^2 (9.7 sqft) L: ∅ 800 mm (2.6 ft); 0.5 m^2 (5.4 sqft) M: ∅ 600 mm (2 ft); 0.28 m^2 (3 sqft) S: ∅ 470 mm (1.5 ft); 0.17 m^2 (1.9 sqft) Total thickness: 20 mm (25/32 in)
Product structure and materials	Solid agglomerated cork, natural or expanded, 180-200 Kg/m^3 density. Plywood 500-550 Kg/m^3 density.  7 mm Agglomerated cork 6 mm Plywood 7 mm Agglomerated cork
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	Hanging on wall or suspended from ceiling, with specific accessories.
TECHNICAL DATA	
Length and width	Tolerance from nominal: < 5 mm
Overall thickness	20 mm Tolerance from nominal thickness: < 0.6 mm
Mass per unit area	6.4 Kg/m^2 ± 5 % (1.3 lbs/ft^2)
Weight per module	XL: 5.7 Kg (12.5 lbs) L: 3.2 Kg (7.1 lbs) M: 1.8 Kg (3.9 lbs) S: 1.1 Kg (2.4 lbs)

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GEO ORBEA

ACOUSTIC CORK MODULES
TECHNICAL SPECIFICATION

TECHNICAL DATA

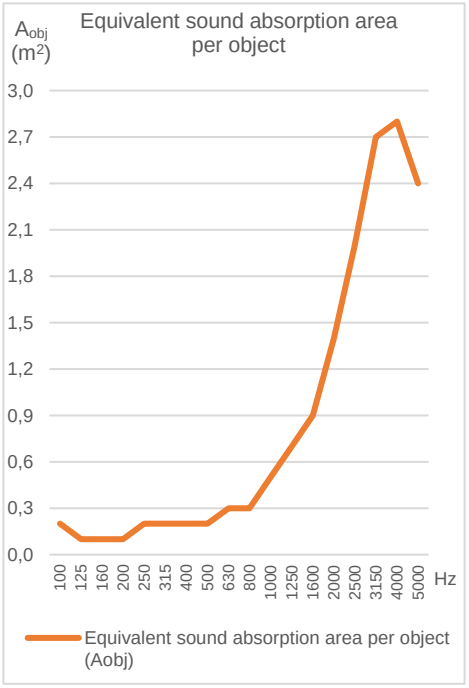
Acoustic Performance in a reverberation room

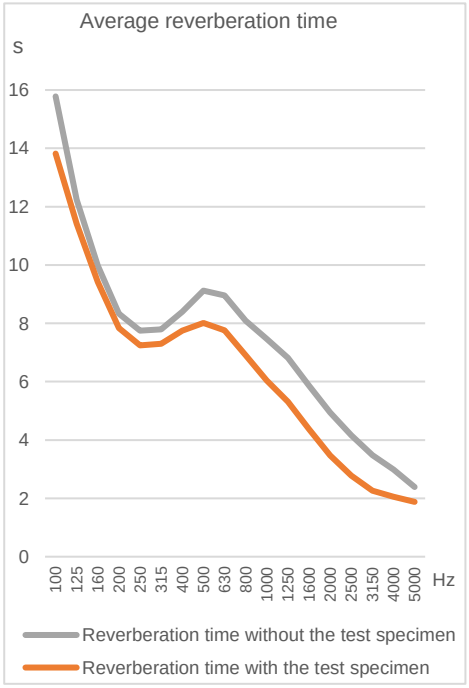
Equivalent sound absorption area

Reverberation time

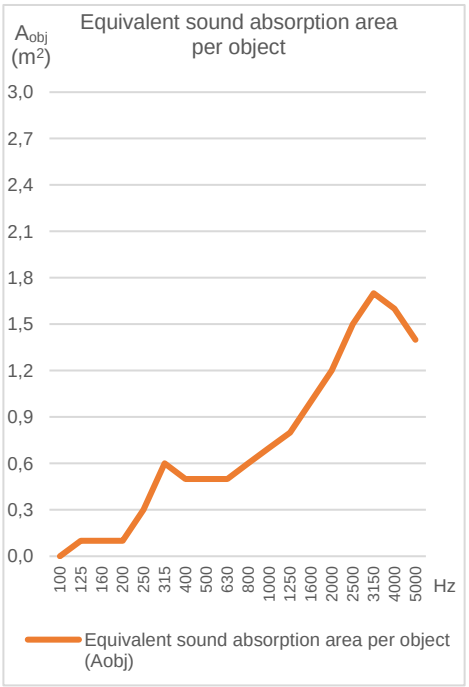
EN ISO 354

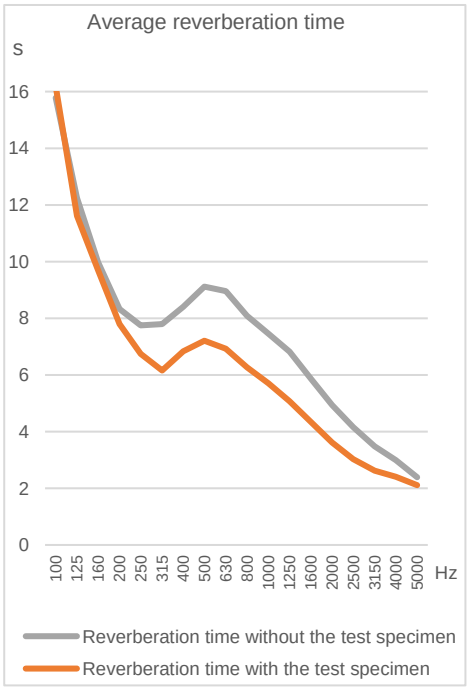
Suspended installation - ceiling





Hanging installation - wall





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DELIVERING NATURE

GEO ORBEA

ACOUSTIC CORK MODULES
TECHNICAL SPECIFICATION

TECHNICAL DATA	
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.
Release of vinyl chloride monomer (VCM) EN 12149	No polyvinyl chloride or products containing vinyl chloride are used during the manufacturing process.
Thermal resistance EN 12667	0,41 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 ORBEA modules are dispatched in packages providing suitable identifying information and protection under normal transport and storage conditions. Each carton contains: 1 module XL, 1 module L, 1 module M and 1 module S. Hanging or suspending accessories are included inside each carton. Total product area per carton: 1.86 m^2 (20.02 sqft) Total weight per carton: 14 Kg (30 lbs)
Health, Safety and Environment	The use of a natural and renewable raw-material and the possibility of total recycling of the product, make GEO ORBEA a reference in terms of ecology and environmental sustainability. GEO ORBEA modules 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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