SURFACE WOW

GENCORK

100% NATURAL CORK

SURFACE WOW

100% NATURAL CORK

It is only used cork of the branches (falca) for the manufacture of cork granules. These are block clusters in an autoclave, a process that's 100% natural, without the use of additives. This technology consists of injecting water vapor through pellets that will expand and agglomerate with the resin of the cork itself.

This "cooking" also gives the resulting cork a dark color, like chocolate. During the production of the steam, biomass is used, which is obtained in milling and cleaning the falca, and that's what makes it a truly ecological production and without waste, with a 95% energy self-sufficiency. This super-material, cork, offers a huge range of advantages, because, in addition to being an excellent thermal and acoustic insulator and as well as antivibration, it's also a CO2 sink, playing a key role in the environment.

SURFACE WOW

GENERATIVE DESIGN

The digital process is one of the most important elements of GENCORK´s DNA. Adopting computational design strategies, the brand explores algorithmic scripts inspired by nature, as well as mathematics, geometry, and biomimetics, through parametric systems.

With this process, it’s now possible to produce a huge range of different variations of a pattern, adapting it to any size or form.

SURFACE WOW

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CORKMETAMORPH

CORKPATTERNS

100X100X3 CM

Corkmetamorph explores the mathematical and geometric art of M.C. Escher through generative design and parametric systems. It can be characterized as a visual metamorphosis of lines and hexagons of different sizes, that in turn create a dynamic and progressive pattern in the cork texture.

From the digital world to a physical environment, this pattern can adapt to any wall. This is an evolutive and dynamic cork panel, not just with unique aesthetics but also with great acoustic properties.

SURFACE WOW

CORKFLOW

CORKPATTERNS

100X100X3 CM

What would the graphical representation of a magnetic force field or the movement of fluid elements through space be like? Corkflow tries to record those natural phenomena through winding, curved lines articulated with circumferences of different diameters. It’s a generative pattern that can be adapted to any surface and size, with various densities and compositions.

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CORKDELAUNAY 2D

CORKPATTERNS

100X100X2 CM

In the universe of Mathematics and Geometry, a Delaunay triangulation is a pattern based on different triangles and constituted by a group of points. The Corkdelaunay2D recreates a topographical analysis of a Delaunay 3D surface, which generates an abstract and labyrinthine aesthetic.

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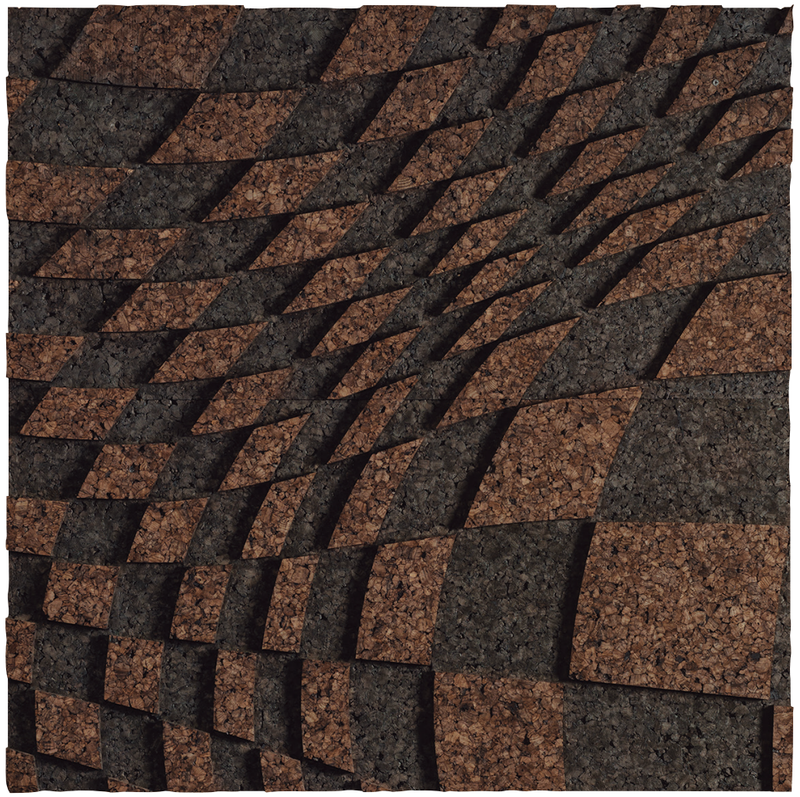
CORKWIRL 2D

CORKPATTERNS

100X100X3 CM

Corkwirl is a generative pattern inspired by nature and biomimetic systems. The twirl movement generates organic and fluid shapes. A perfect symbiosis among movement, form, and texture. In this bidimensional version, we create organic curves that promote optical illusions.

CORKOPTICAL

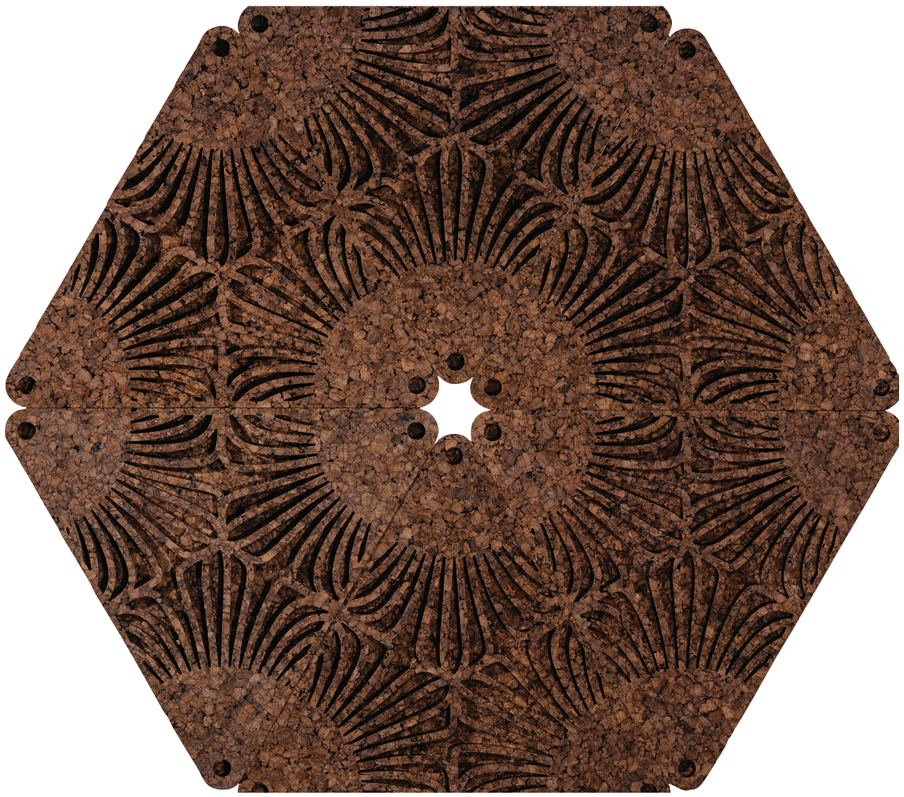


CORKPATTERNS

100X100X3 CM

The Corkoptical panel plays with visual illusion and form perception. Inspired by the optical art of Victor Vasarely and Bridget Riley, this magic pattern foments visual play between 2D and 3D worlds. It's a complex geometric grid deformation that creates a set of new spatial perspectives.

CORFTRIFIELD



CORKTILES

U. 50X44X3 CM

Corktrifield is a panel inspired by organic and mathematical vectors. This triangular pattern can be assembled in a regular or irregular way. The match can be concentric or non-concentric. With a striking visual effect, it’s a perfect solution for shops and restaurants.

CORKHEXRAN

CORKTILES

U. 45X52X3 CM

Corkhexran is a hexagonal cork module based on a co-creation strategy (DIT - do it together). It is multivisual, in that it is possible to rotate several times and the match will be always perfect. A unique example of a random creative process. Give it a try!

SURFACE WOW

CORKARC

CORKTILES

U. 22X10X1 |2|3 CM

From a triangular grid to an organic panel. The same element with different thicknesses generates an irregular topography. Corkarc is a great example of simplexity: simple forms that generate complex structures. Easily assembled and with strong aesthetics, it is also a good solution for acoustic insulation.

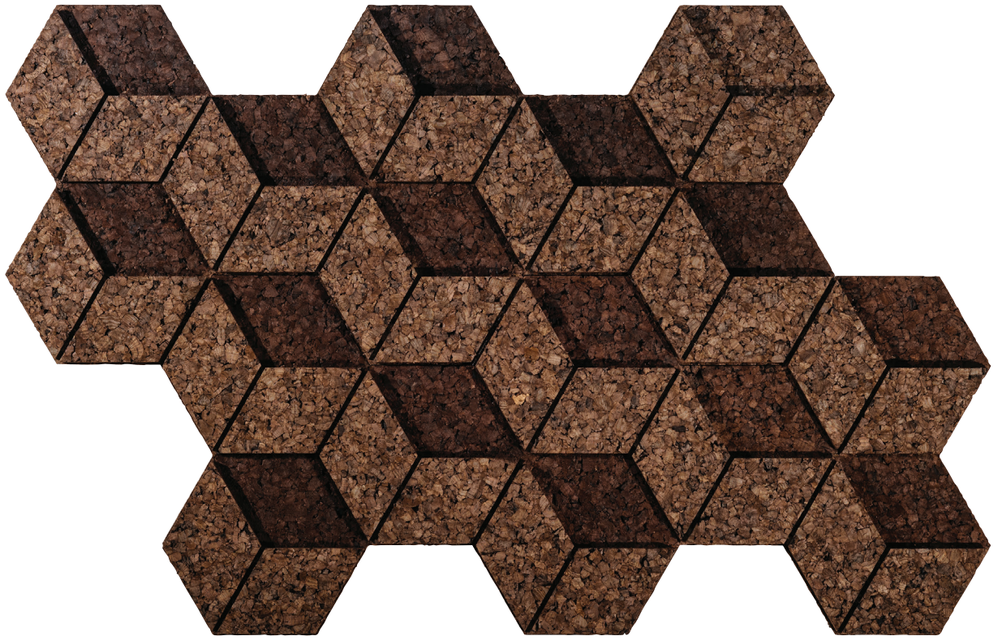
CORKUNIT

CORKTILES

U.49 X 28 X 3 |6|9 CM

A Corkunit panel is an example of a geometric and abstract topographical surface formed by a single cork module with different thicknesses. The input is a hexagonal grid, the output is a game of multiple levels. It is easy to assemble and is great acoustic insulation.

CORKCUBE



CORKTILES

100X100X3 CM

The Corkube panel represents a different approach to traditional hexagonal grids. Playing with shadows and embossing strategies, this pattern creates an irregular geometric tessellation with several configurations: horizontal, vertical or diagonal.

CORKTRIANGLE

CORKBRICKS

U. 30X13X6 CM

Corktriangle panel is a topographic 3D pattern made with triangular cork modules. It´s possible to achieve multiple regular and irregular configurations. Made with a zero-waste strategy in mind, it is very simple to put together, it is also a perfect solution for acoustic insulation.

CORKBOARD

CORKTILES

U. 50X50X2|26 CM

The Board wall is at the border between space and object. First, it is a flat acoustic panel based on a diamond pattern. Some of the modules can be changed in order to become a board, from 2D to 3D, just a smooth volume in the same black cork material. A delicate place to exhibit objects.

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CORK BLACK AND WHITE

CORKTILES

U. 50X50X2 CM

The CorkBlack on White panel is about contrast and revelation. This is a double skin of black and white cork: carving graphic lines on the first layer, it appears the lightness color playing with shadows. Just two tiles offer the infinite possibilities of designs for the wall.

SURFACE WOW

CORKLEE

CORKBRICKS

U. 15X20X8 | 10X20X8 CM

Corklee, a generative 2D and 3D system with a zero-waste strategy. Two different modules are the input to generate the whole panel. It's the exploration of the geometric world of Paul Klee through digital processes. Simple forms that generate complex patterns. With easy and random assembly, it also has valuable acoustic properties.

CORKMETABALL

CORKGREENS

100X100X3 CM

Metaballs are, in computer graphics, organic-looking n-dimensional objects. For this pattern, we adopt its topologic curves to generate planar terrains exploring the different curves densities. The green lichens cover the empty spaces between the dynamic lines creating an organic and natural atmosphere.

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CORKNATURE

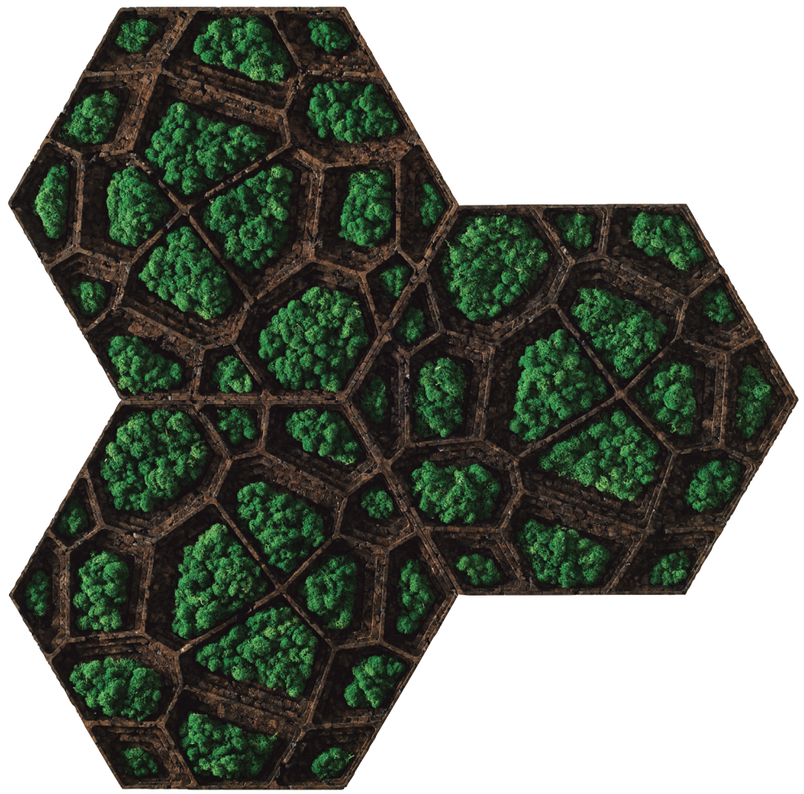
CORKGREENS

100 X 100 X 10 CM

Corknature is a disruptive pattern that combines cork and plants naturally preserved, with strong flexibility, plasticity and natural vigor without any maintenance. To create the cork structure we adopted a generative system which converts procedural images (bitmaps) into tridimensional surfaces.

The green plants are included on the cork in an evolutive way inspired by digital principles of attraction/dispersion. A perfect example of a biomimetic and biologic approach.

CORKVOR



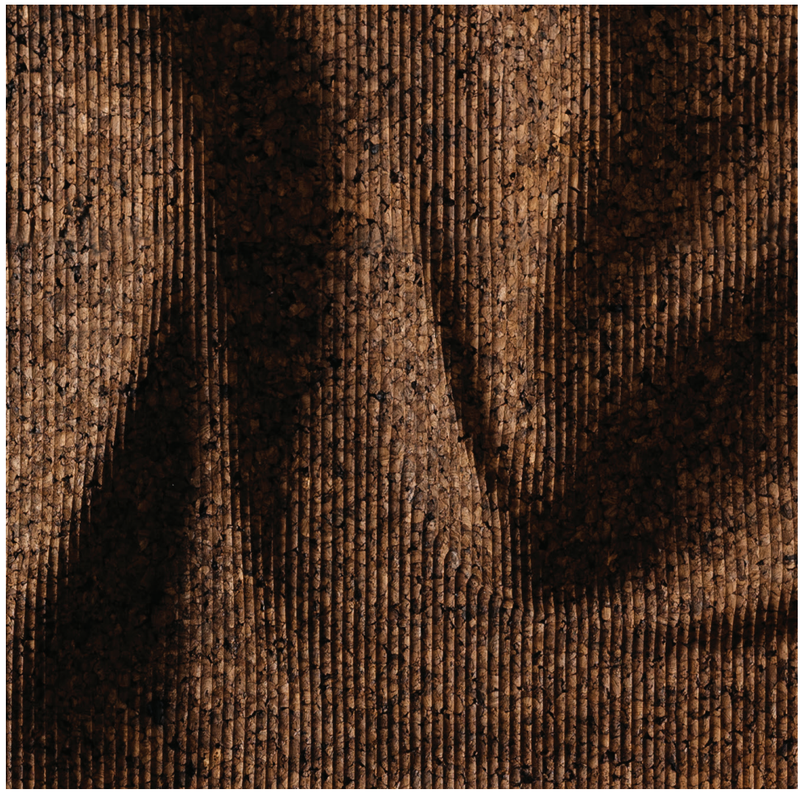
CORKGREEN

U-45X45X3 CM

Corkvor is a generative pattern based on Voronoi diagram, partitioning of a plane into regions based on the distance to points in a specific subset of the plane. This principle creates a set of topologic voids, a perfect hub for green lichens. The hexagonal shape allows combine each module in different ways, getting different variations and aesthetics.

SURFACE WOW

CORKWIRL



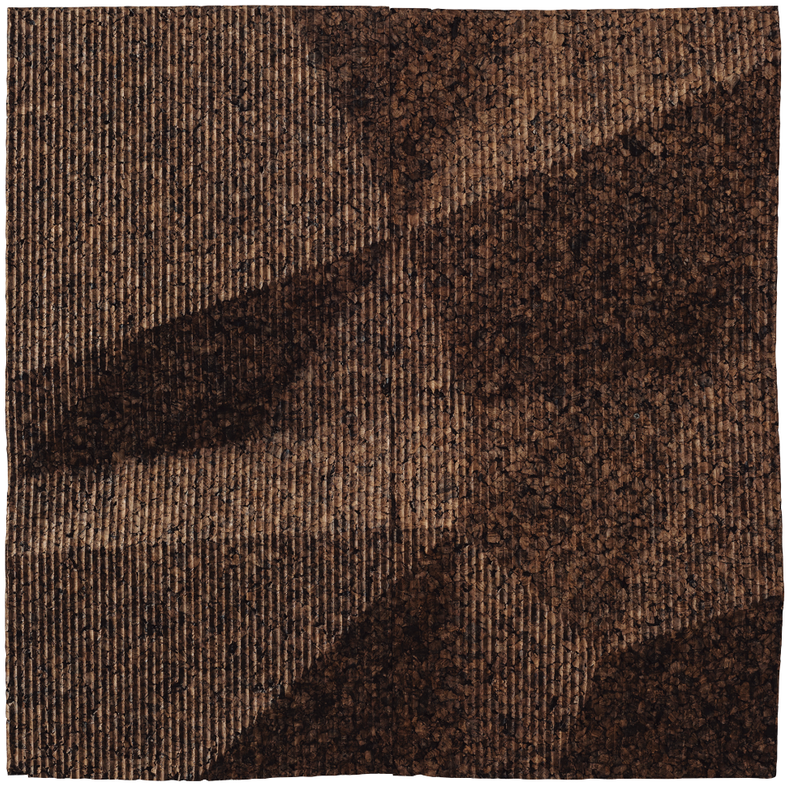
CORKMORPHS

100X100X10 CM

Corkwirl, a generative pattern inspired by nature and biomimetic systems. The twirl movement generates organic and fluid shapes. A perfect symbiosis among movement, form and texture.

SURFACE WOW

CORKTESS



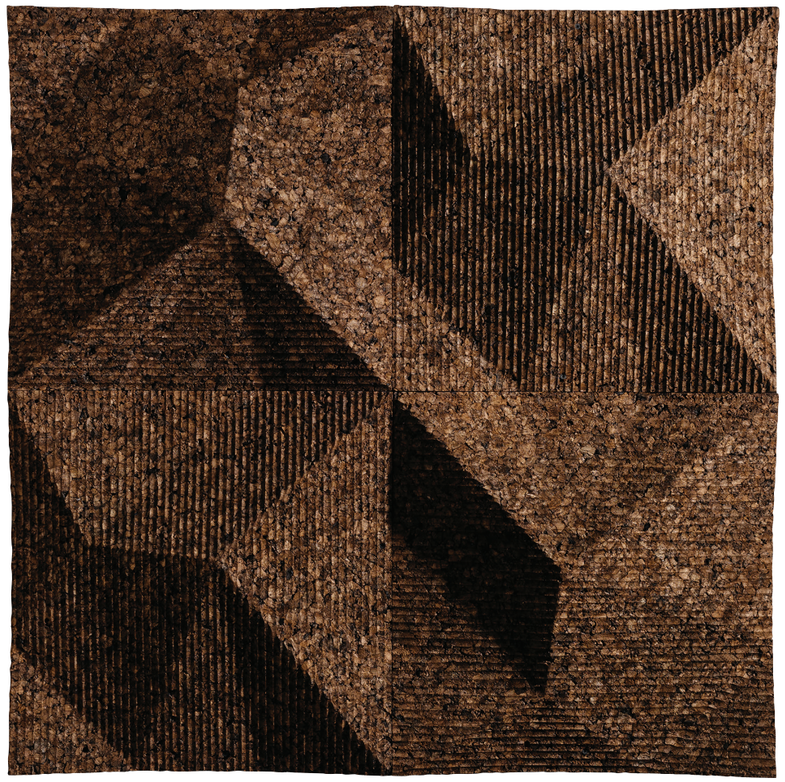
CORKMORPHS

100X100X10 CM

Corktess explores the algorithmic creation of complex geometries on planar surfaces. This cork panel was inspired by origami paper structures, that create different topologies with dynamic movements and minimal aesthetic.

SURFACE WOW

CORKDELAUNAY 3D

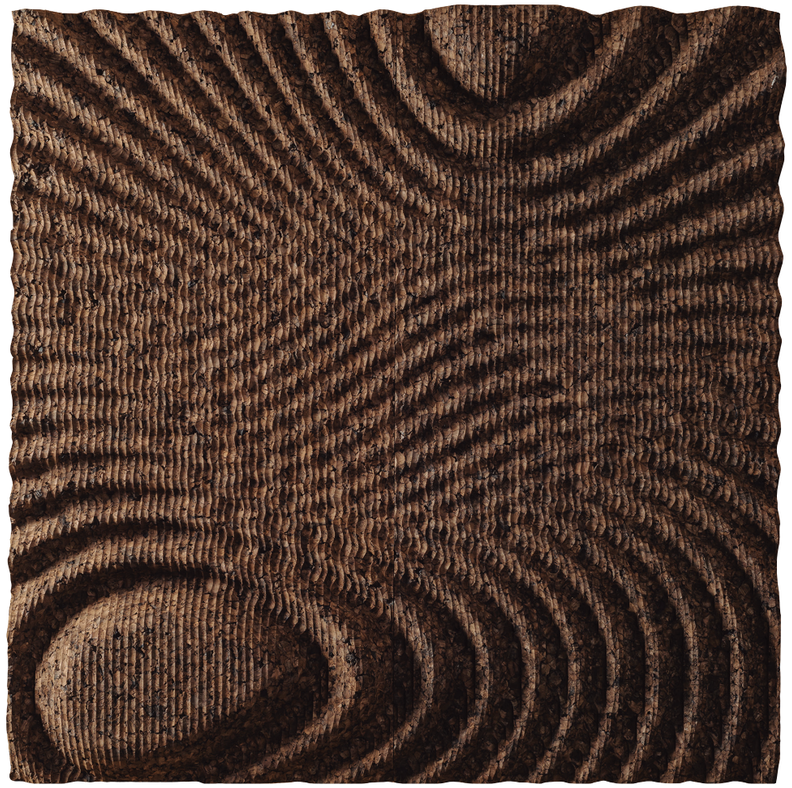


CORKMORPHS

U- 50 X 50 X 10 CM

The Corkdelaunay 3D pattern is a three-dimensional version of a delaunay 2D script. Flat lines give way to an irregular topographical surface made up of triangles of different sizes. It´s a vibrant model that explores the many aesthetic particularities of digital fabrication. The bold design allows for multiple configurations and a great versatility, generating a play between light and shadow.

CORKBIOMORPH



CORKMORPHS

100X100X10 CM

Corkbiomorph is a perfect example of Gencork’s panel solutions. Inspired by nature and biomimetic structures, this product can be either modular or custom-made fit a specific wall, exploiting parametric systems. It is also valuable for its acoustic insulation.

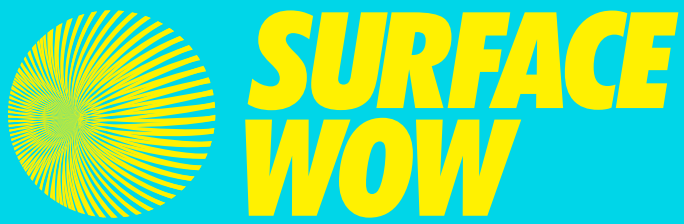
SURFACE WOW

CORKFRACTAL 3D

CORKMORPHS

100X100X7 CM

CorkFractal_ Explores cork molecular structure (hexagonal grid) as a starting point to bridge the visible to invisible to the human eye. Using a recursive subdivision to divide the panels into bigger and smaller density areas, CorkFractal is composed of an hexagonal grid subdivided infinitely to a scale not visible to the human eye. The result is a conglomerate of hexagonal and triangular pyramids, which vary base and height accordingly to the subdivision generated by the recursive algorithm.



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