

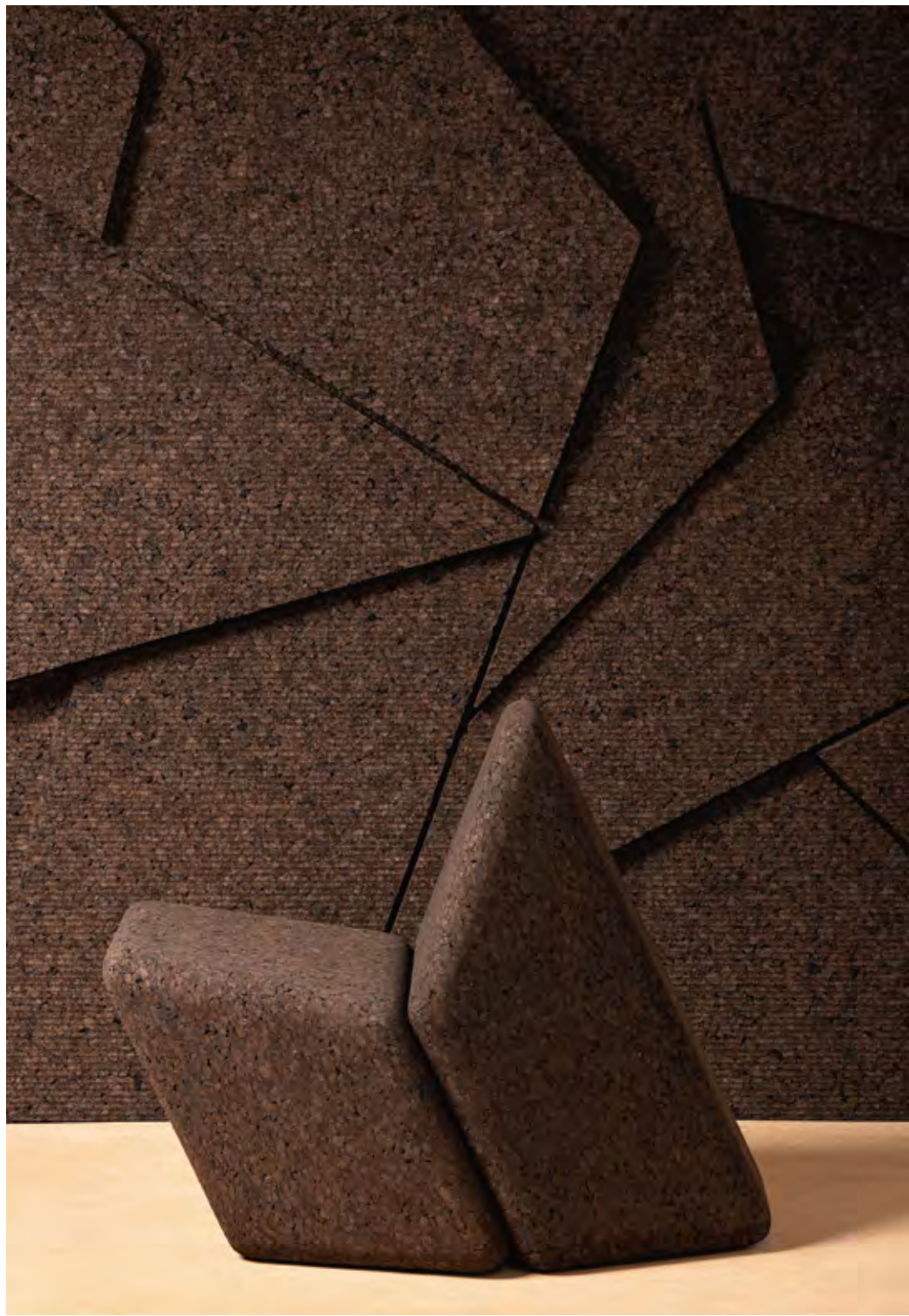
[BYNATURE]

info@bynaturedesign.com
+1 855 436 2919
<http://bynaturedesign.com>

2022 CORKLLECTION

GENERATIVE CORK EXPERIENCES





Creativity, technology,
sustainability, and
human emotions in
seamless dialogue.





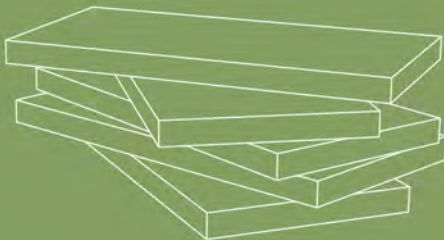
1. BRANCHES (FALCA)



2. CORK GRANULES



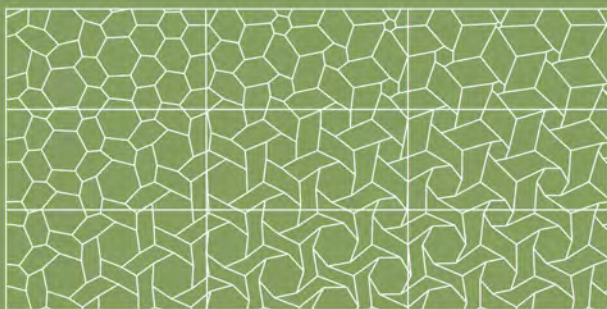
3.CORK BLOCK CLUSTER



4.CORK PANELS



5. PANELS (CNC MILLED)



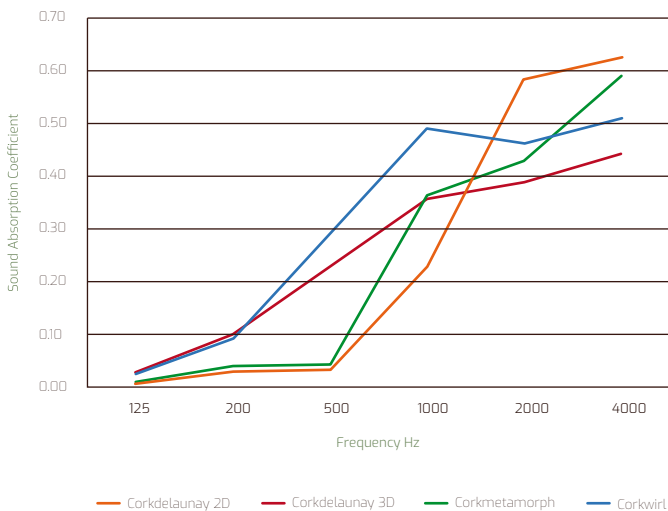
6.GENERATIVE WALLS-DYNAMIC PATTERNS

TECHNICAL DETAILS . PROPERTIES

Made in Portugal
100% natural, ecological, 100% recyclable
95% energy self-sufficiency production
Hypoallergenic properties
Water and weather resistant
Preservation and respect for trees
Misuse can cause product deterioration
Digital fabrication - CNC milling machine
Cork color changes with exposure to sunlight (UV)
Cork's scent is natural and non-toxic, it disappears with time.

ACOUSTIC DETAILS . SOUND

This graph shows the absorption coefficient of our cork panels of different thicknesses, at any given audio frequency.
Our products reduce sound reflections, making it a great sound absorber. A perfect solution for residential buildings, restaurants, hotels, and offices.





100x100x3 cm



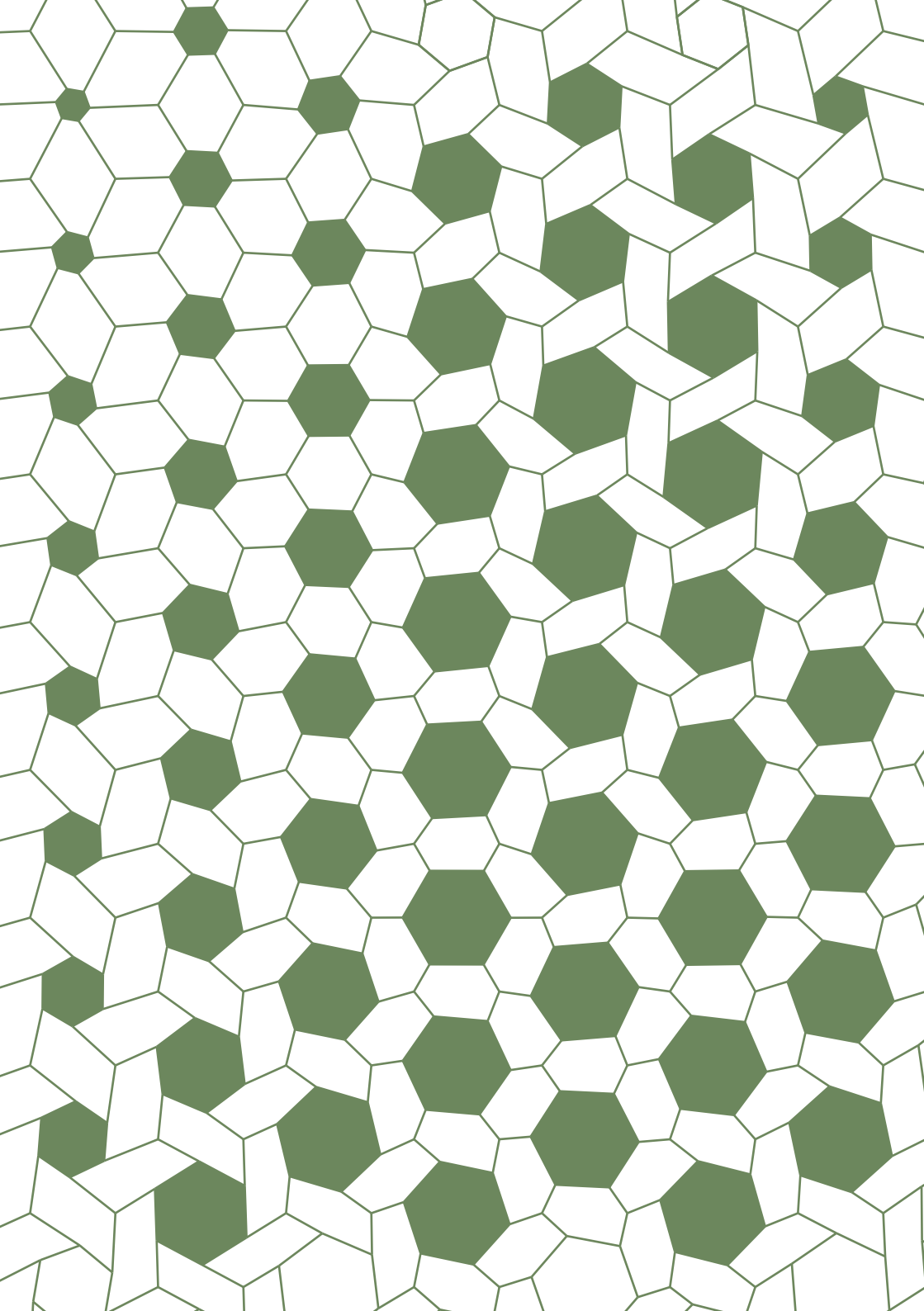
CORKMETAMORPH

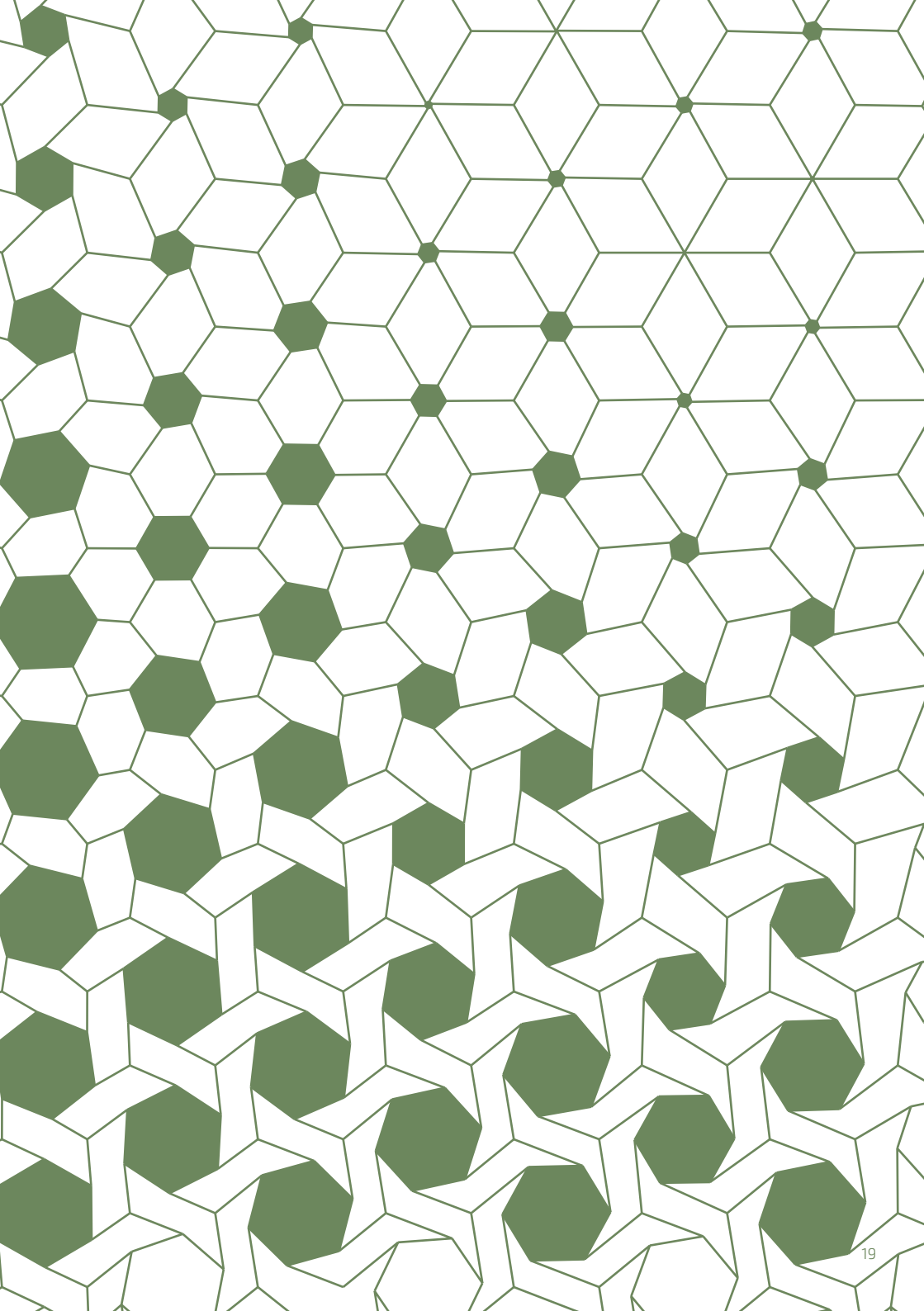
CORKPATTERNS

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.

— — — — —









100x100x3 cm



CORKFLOW

CORKPATTERNS

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.

www.corkpatterns.com





100x100x2 cm



CORKDELAUNAY 2D

CORKPATTERNS

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.

© 2023 CORKPATTERNS. ALL RIGHTS RESERVED.





100x100x3 cm



CORWIRL 2D

CORKPATTERNS

Corkwirl2D is a generative pattern inspired by nature and biomimetic systems. The swirl movement generates organic and fluid shapes. A perfect symbiosis between movement, form, and texture. In this two-dimensional version, we create organic curves that create optical illusions.



100x100x3 cm



CORKICE 2D

CORKPATTERNS

In dynamically generating the geometric lines, the rules essentially dictate that any polygon is bisected into two parts. The generative variation for this pattern consists of changing the resulting shape from two shapes into many shapes to create a triangle. To create visual effects on the cork surface, multiple parallel and perpendicular lines were created, in accordance with the lines of the geometries.

© 2018 CORKICE 2D. ALL RIGHTS RESERVED. 0.001 100.000 1

100x100x3 cm



CORKOPTICAL

CORKPATTERNS

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.

DESIGNED BY ANTONIO MARTINS







U. 50X44X3 cm

CORKTRIFIELD

CORKTILES

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.



U. 42.5x49x3

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!

www.corkhexran.com



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

CORKUNIT

CORKTILES

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.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



U. 22X10X1 | 2|3 cm

CORKARC

CORKTILES

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

© 2020 CORKARC. ALL RIGHTS RESERVED.



100x43x3 cm

CORKUBE

CORKTILES

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

DESIGN: [unreadable] | MATERIAL: CORK



U. 50x50x2|20 cm

CORKBOARD

CORKTILES

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.

Design by Toni Grilo



U. 50x50x2 cm



CORKBLACK ON WHITE

CORKTILES

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, the lighter color appears to be playing with shadows. Just two tiles offer infinite possibilities of designs for the wall.

Design by Toni Grilo





U. 20X10X12|7 cm

CORKLEE

CORKBRICKS

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.

— — — — —







U. 30x13x6 cm

CORKTRIANGLE

CORKBRICKS

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.

<https://www.corktriangle.com/>

100X100X10 cm



CORKWIRL

CORKMORPHS

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

0 1 2 3 4 5 6 7 8 9





" Merging this super material with incredible technology, we can achieve infinite possibilities that correspond to our future needs of sustainability and uniqueness. Respecting the environment and creating unrepeatable generative patterns for exclusive places. "

Mafalda Estrada



100x100x10 cm



CORKBIO

CORKMORPHS

Inspired by the organic evolving of nature, the corkbio pattern is a geometric metaphor of biomimetic organisms. It's a three-dimensional representation of a mathematical base that reproduces the phenomena connected to surface erosion caused by elements of nature, such as water and wind. The pattern can be adapted to any surface, and can acquire multiple variations.

© 2019 CORKMORPHS. ALL RIGHTS RESERVED. CORKMORPHS.COM



100x100x10 cm



CORKTESS

CORKMORPHS

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 minimalist aesthetics.







U- 50x50x10 cm



CORKDELAUNAY 3D

CORKMORPHS

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.





100x100x10 cm

CORKBIOMORPH

CORKMORPHS

Corkbiomorph is a perfect example of 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.





CORKBIOMORPH designed by :

.. at WOW Museum, Vila Nova de Gaia Porto_Portugal



100x100x10cm



CORKVECTORS

CORKMORPHS

Corkvectors, the matrix between biomimetic principles and geometric structures. An algorithm that explores the fantastic game of light and shadows, in coexistence.

© 2019 CORKMORPHS

1



A plethora of human
senses. Cork as a connector
between nature and people.





100x100x10cm



CORKICE

CORKMORPHS

Corkice is a generative pattern inspired by a recursive system based on simple rules that form complex lines. A shape grammar that explores the transformation of a triangle into multiple iterations with different scales, positions, and rotations.

www.corkmorphs.com





U. 50x50x47 cm



CORKAHEDRON

CORKWALLS

Corkahedron is a modular and multifunctional product inspired by geometric polyhedrons that generate different combinations and spaces. This is pure creativity taking shape without screws or glue. It's easy to create stools, coffee tables, and freestanding walls. A perfect solution for restaurants, office spaces, hotels, and schools.

© 2014 Corkahedron Ltd.

ByNature Import Inc

1.855.436.2919

info@bynaturedesign.com

www.bynaturedesign.com



*Vancouver - Calgary - Toronto - Montreal - Quebec (City) - New York
Canada - USA - Europe*