
SOFALCA
isocor
sustainable value
ISO 14024
pcs
2026
FROM THE CORK OAK TREE TO THE FUTURE







. Ernesto Lourenço Estrada - 1933
1ST generation of the Estrada Family to work with cork -

. Ernesto, João e Mário Estrada - 1966
2ND generation founded Sofalca

. Paulo, Mafalda, Miguel, António, Nuno and Miguel Estrada
3RD and 4TH generation working at Sofalca



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- PORTUGAL HAS 55% OF THE WORLD'S CORK PRODUCTION AND TRANSFORMS AROUND 70%.



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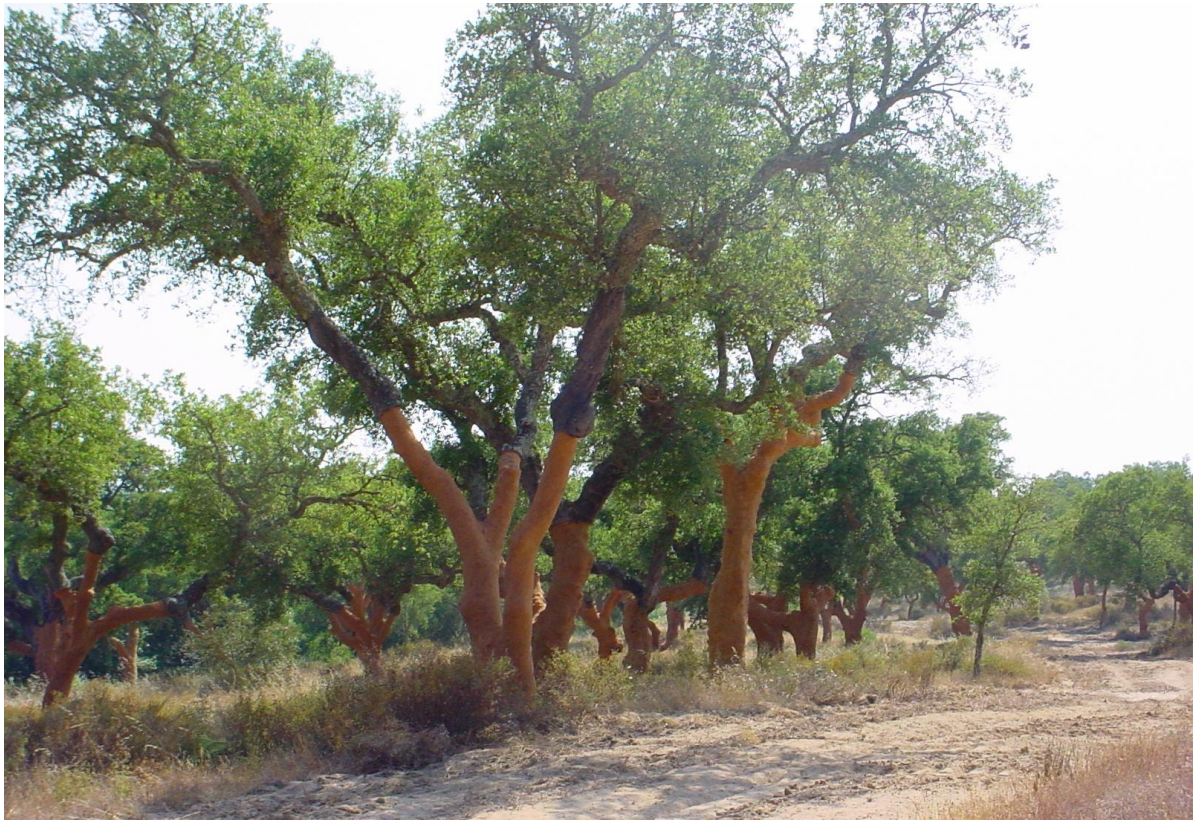


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Granulated **50%**

Waste **50%** - used as biomass

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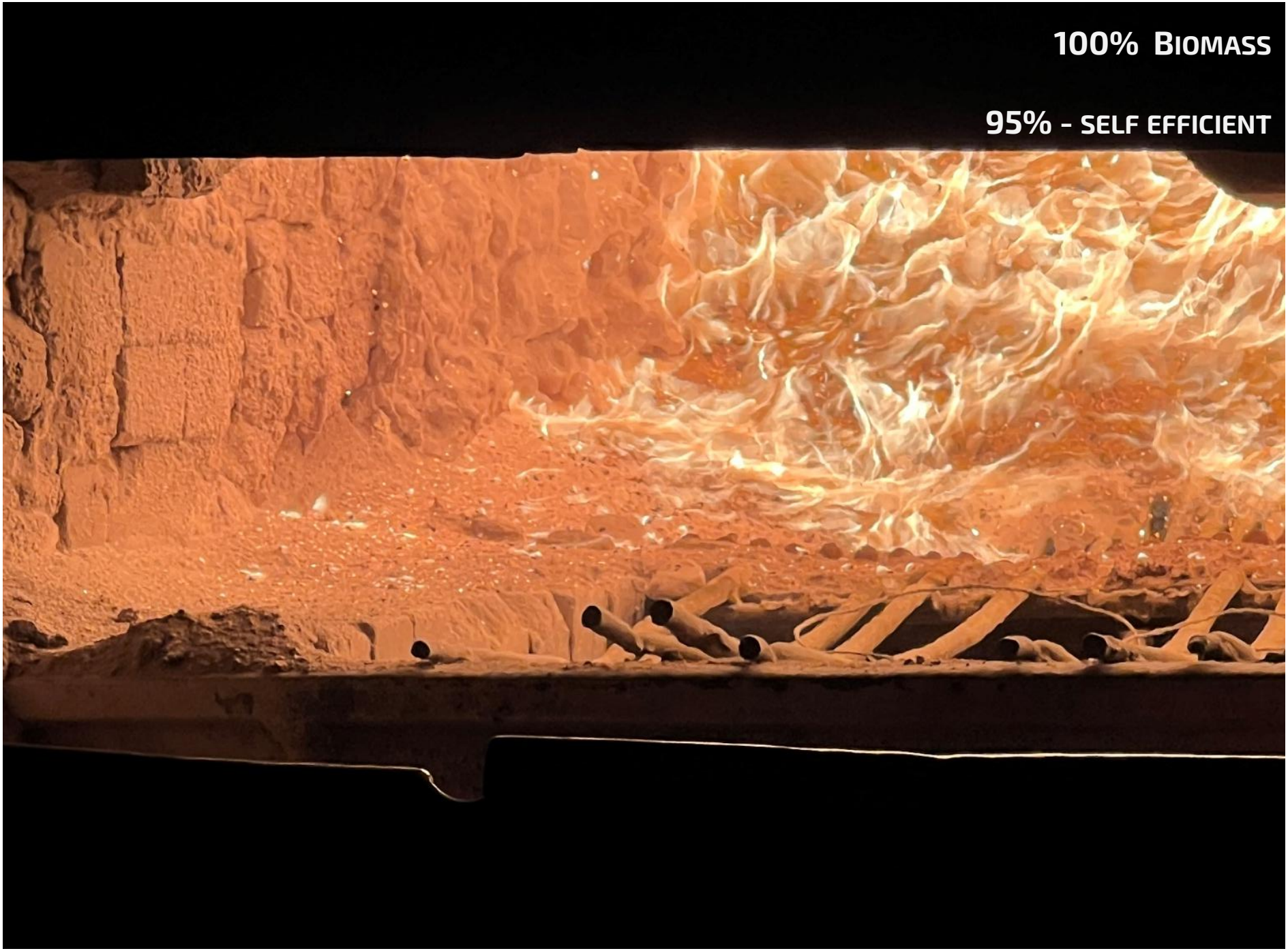
100% Biomass
95% - self efficient


Consumo total
Rede
9%
Produção fotovoltaica
2%
Resíduos Biomassa
89%
500 Kgs / day - CO2

# EXPANDED CORK – CIRCULARITY SINCE 1974

IN THE BEGINNING, ECONOMIC SUSTAINABILITY WAS THE FOCUS, WHICH LED US TO ENVIRONMENTAL SUSTAINABILITY, IN A SYMBIOSIS OF "ZERO RESOURCES FROM NATURE AT ZERO WASTE, WITH THE BEST PROFIT FOR EVERYONE"

- 100% natural, plant-based, sustainable, renewable, and recyclable;
- Stores CO2, with forests capable of storing over 14 million tons per year;
- Does NOT use up the planet's resources;
- All waste from the cork industry, as well as cork burned in forest fires, is welcome as raw material;
- Use of our waste as biomass for fuel – 95% energy self-sufficiency;
- Savings of €2,400,000 by using biomass instead of diesel;
- Solar electricity production;
- Negative carbon footprint – (-310 kg/m3);
- Unlimited useful life;
- 100% recyclable.

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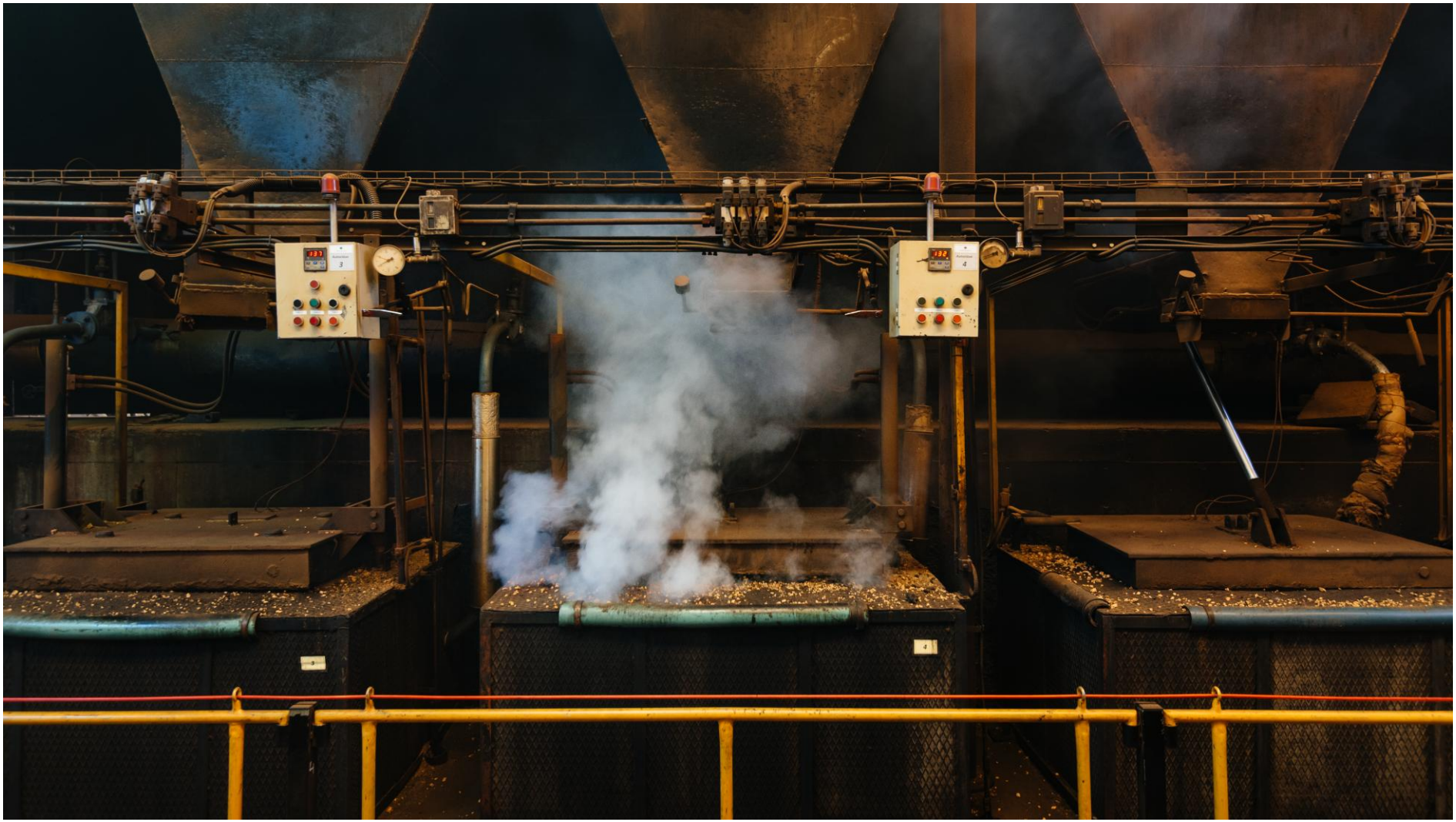
CORK GRANULES + WATERSTEAM 400ºC = EXPANSION + EXUDATION (SUBERINA) + CHOCOLATE COLOR (TEMPERATURE) = CORKBLOCK 250ºC



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CO2 (- 310Kgs/ m3)



dap habitat



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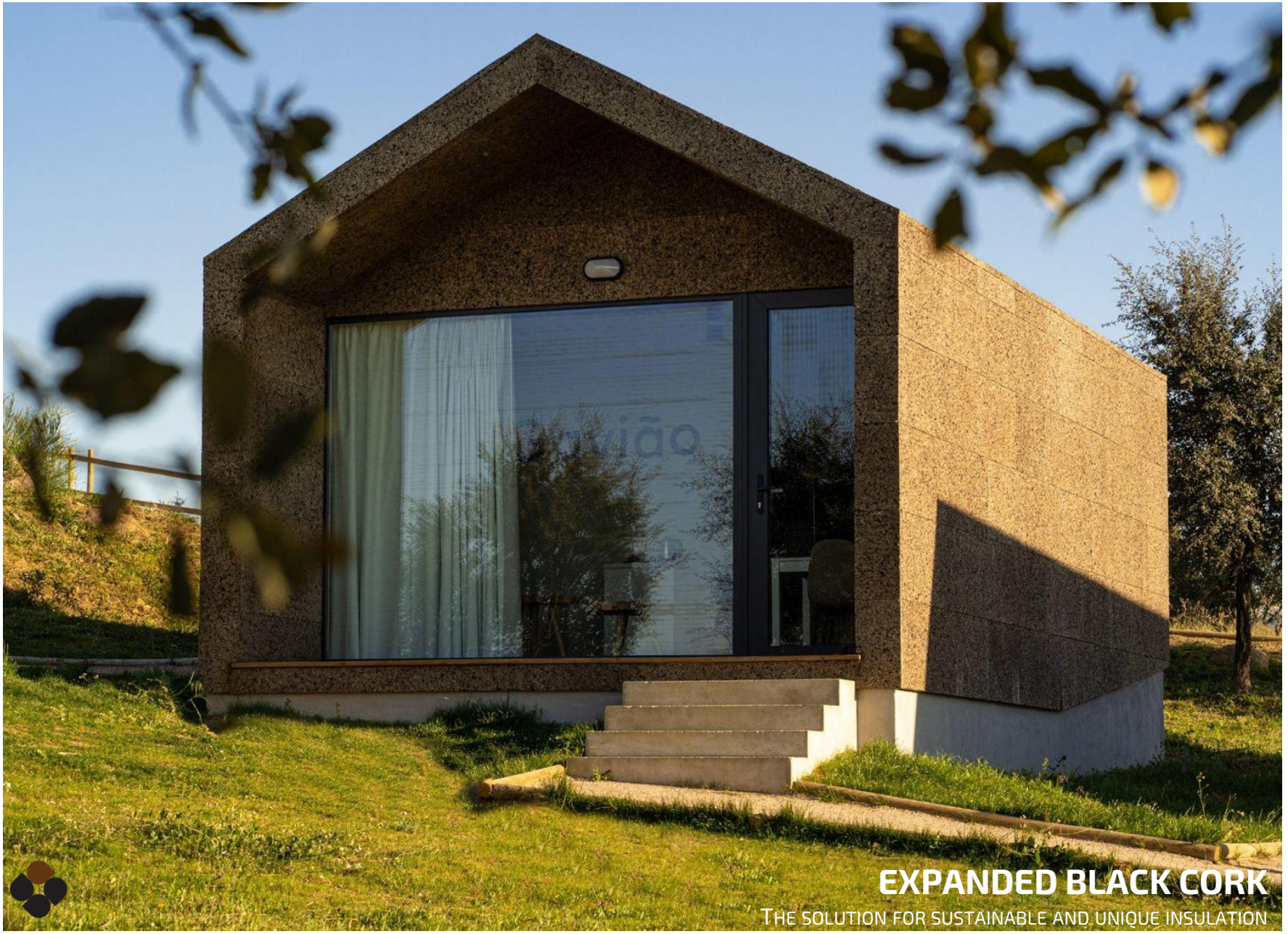

# EXPANDED BLACK CORK

THE SOLUTION FOR SUSTAINABLE AND UNIQUE INSULATION

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CORK PROTECTS THE CORK OAK FROM WILDFIRES
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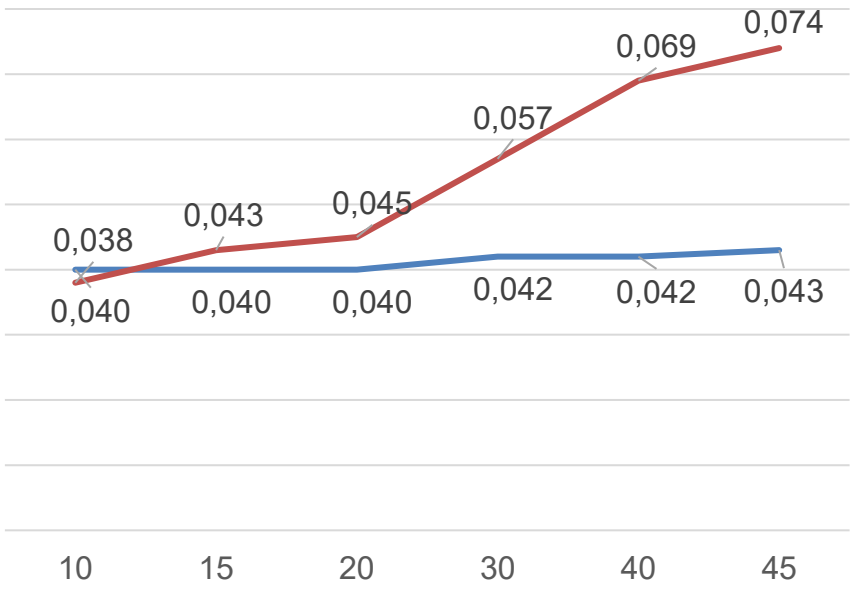
## Benefits of using Cork – ICB insulation indoors and outdoors

- Raw material 100% natural, Plant based, vegetal, sustainable, Renewable, and recyclable;
- Thermal insulation (durable);
- Acoustic insulation (LNEC = RW 50dB);
- Excellent respiratory capacity;
- Thermal delay;
- dimensionally Stable;
- Usage temperature -180ºC a 120ºC;
- Reduction of thermal bridges;
- Increased thermal inertia;
- wall thickness reduction;
- Increase the durability of façades;
- Rehabilitation without disturbance of its inhabitants.
- Negative foot print

## COMPARISON OF λ

According to the temperature

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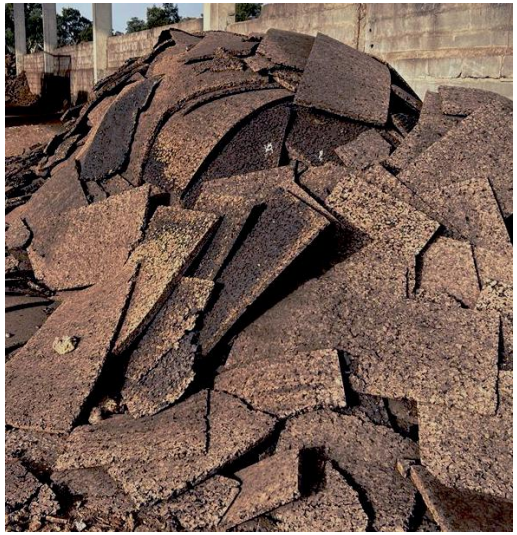
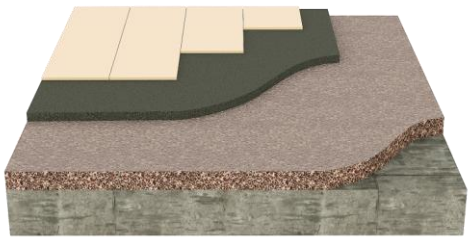
The eco-friendly insulation solution













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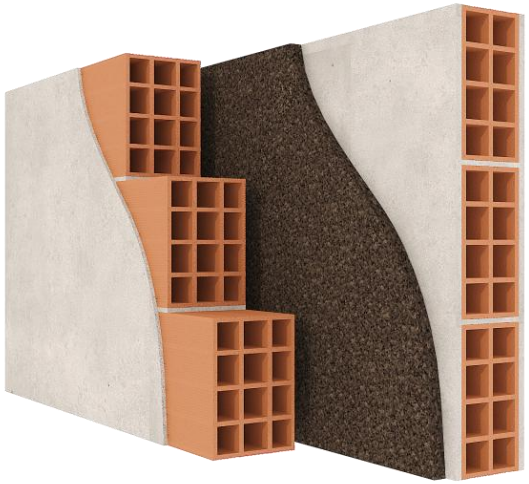



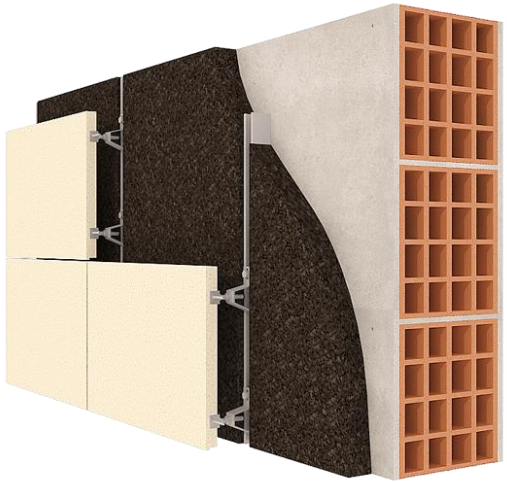

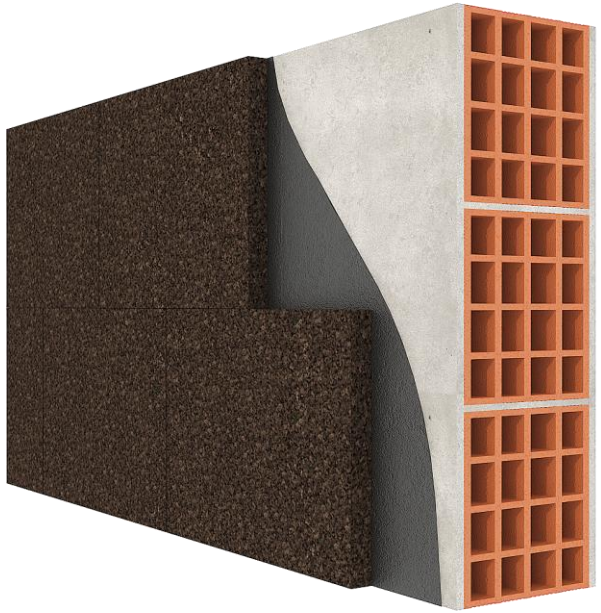

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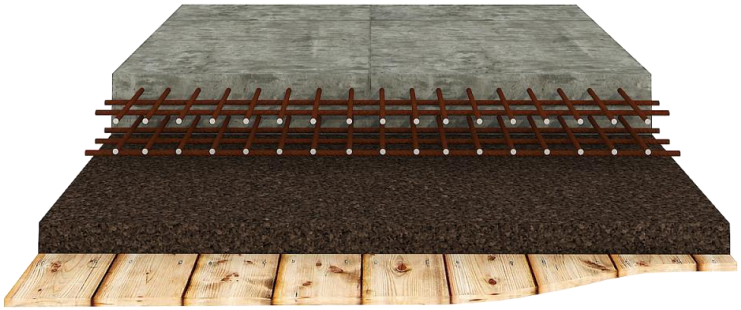
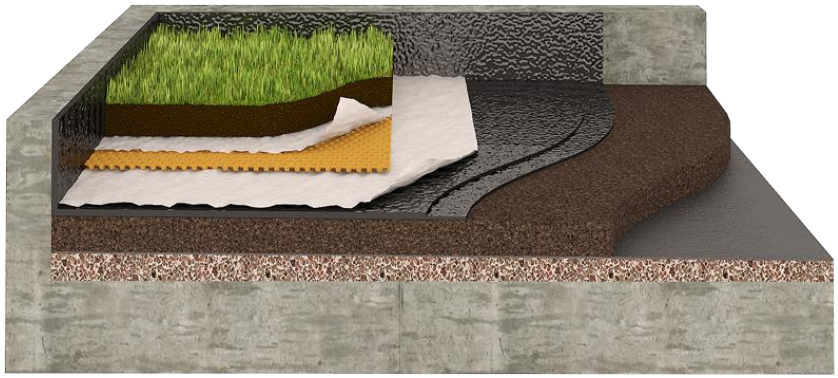
CORKWAVE







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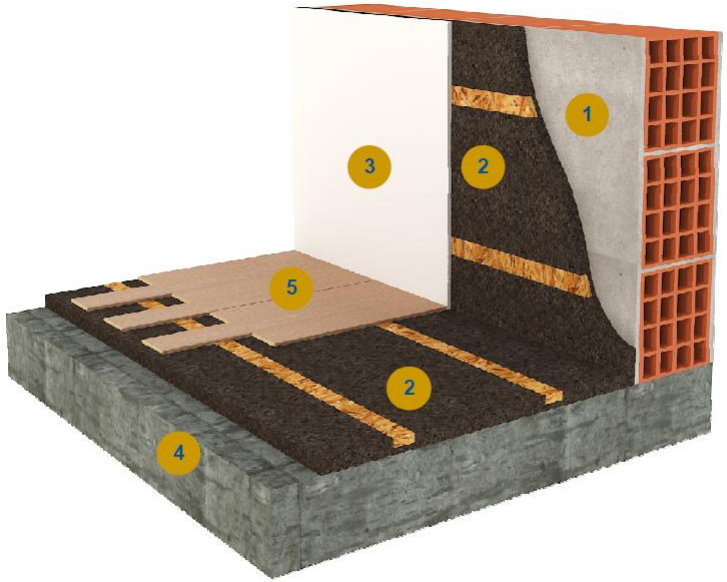


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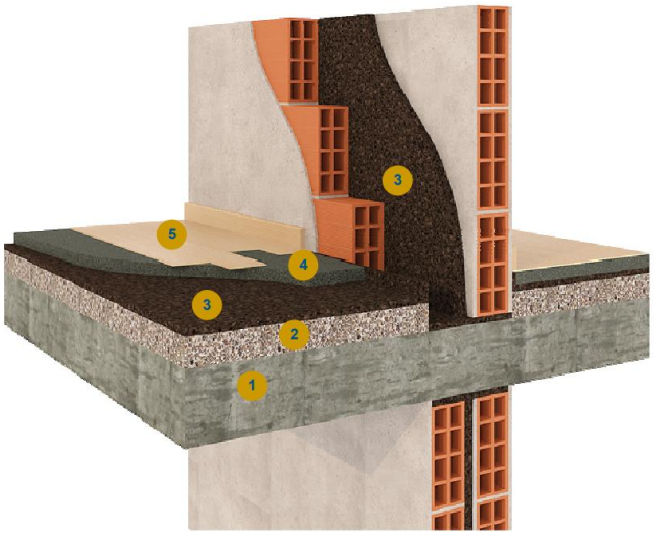


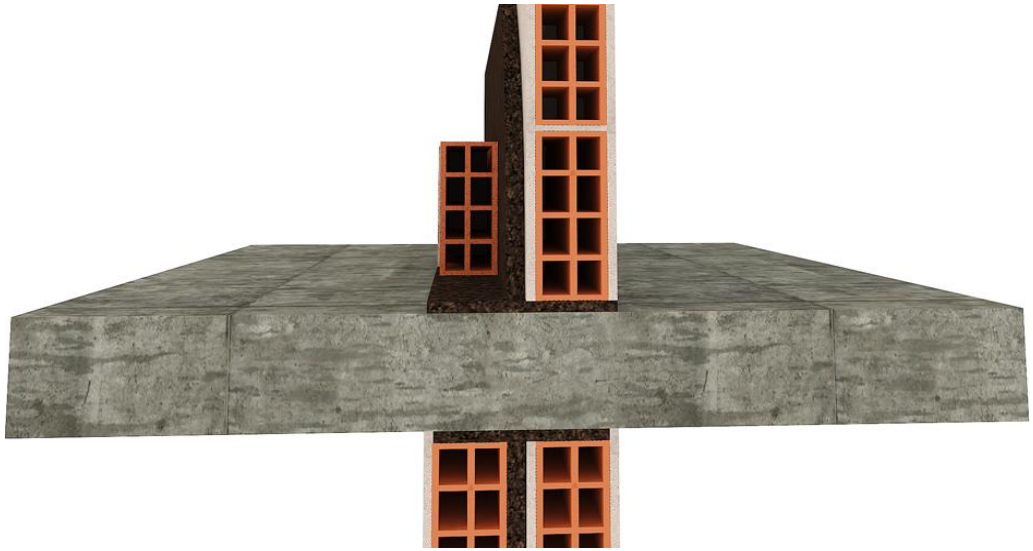



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# DESIGN




THE EVOLUTION FROM A STANDARD AGGLOMERATION DESIGNED FOR THE BEST INSULATION, TO A TOP-OF-THE-RANGE ONE, TO DESIGN.
FIRST WE CHANGED OUR MENTALITY, AND WHAT USED TO BE A PENALTY - LIKE A STRONG SMELL - BECAME A MUCH-LOVED PERFUME.

GERMAN DESIGN AWARD SPECIAL 2017

Green Product Award Winner 2016

reddot winner 2020

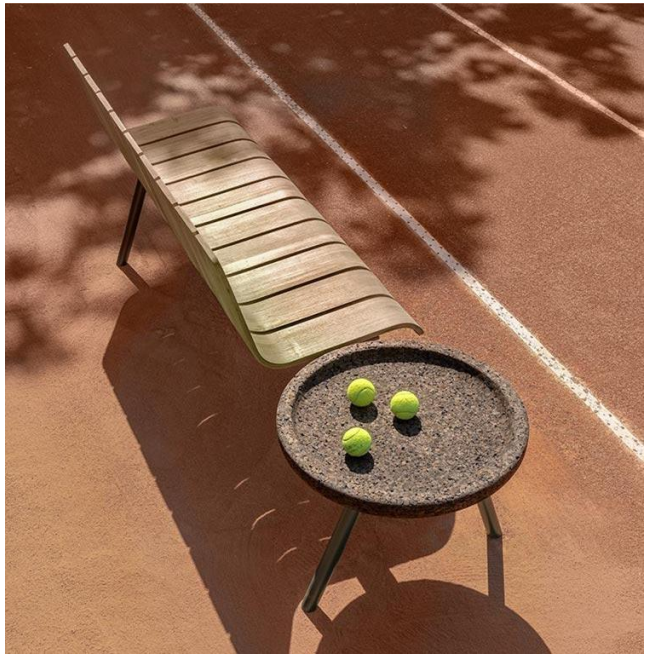
RODA



ClassiCon



ETHIMO







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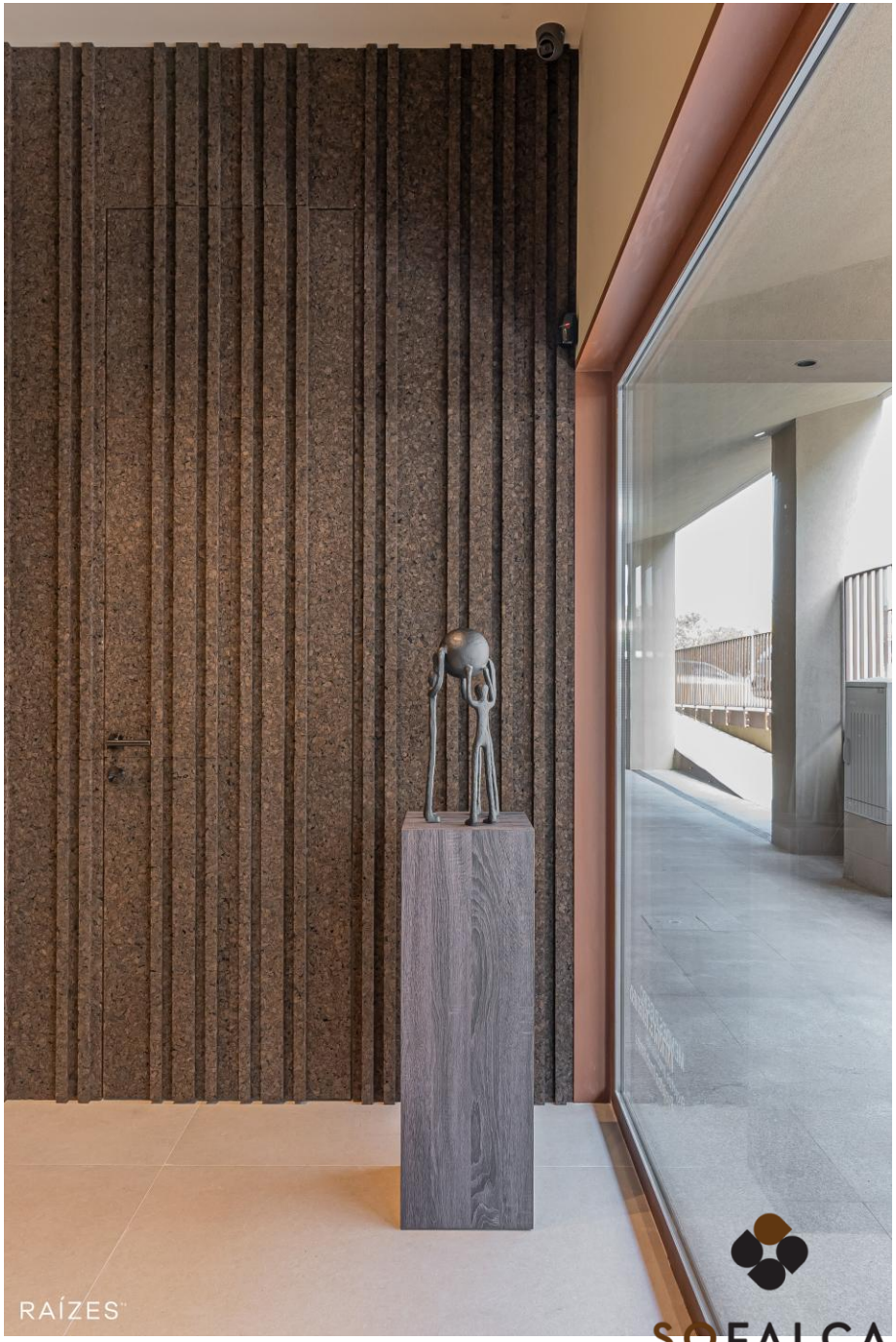
INCH Contemporary Furniture Making


RAÍZES™


RAÍZES™
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BLACKCORK





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CORK COVERING SOLLUTIONS
SOLUÇÕES DE REVESTIMENTO EM CORTIÇA
GENCORK
THE NEXT GENERATION
" NOTHING IS LOST,
NOTHING IS CREATED,
EVERYTHING IS TRANSFORMED "
TEKTÓNICA | 6-9 MAIO 2015 | FEIRA INTERNACIONAL DE LISBOA | STAND 1B18
BRAND BY SOFALCA | CREATIVE DIRECTION BY DIGITALAB

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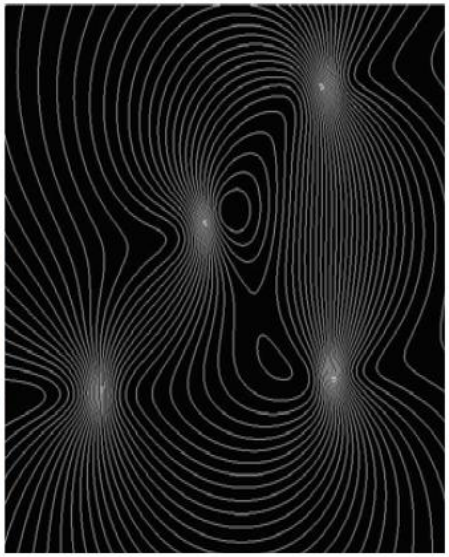
# GENCORK



inspiration



computation



fabrication



experience

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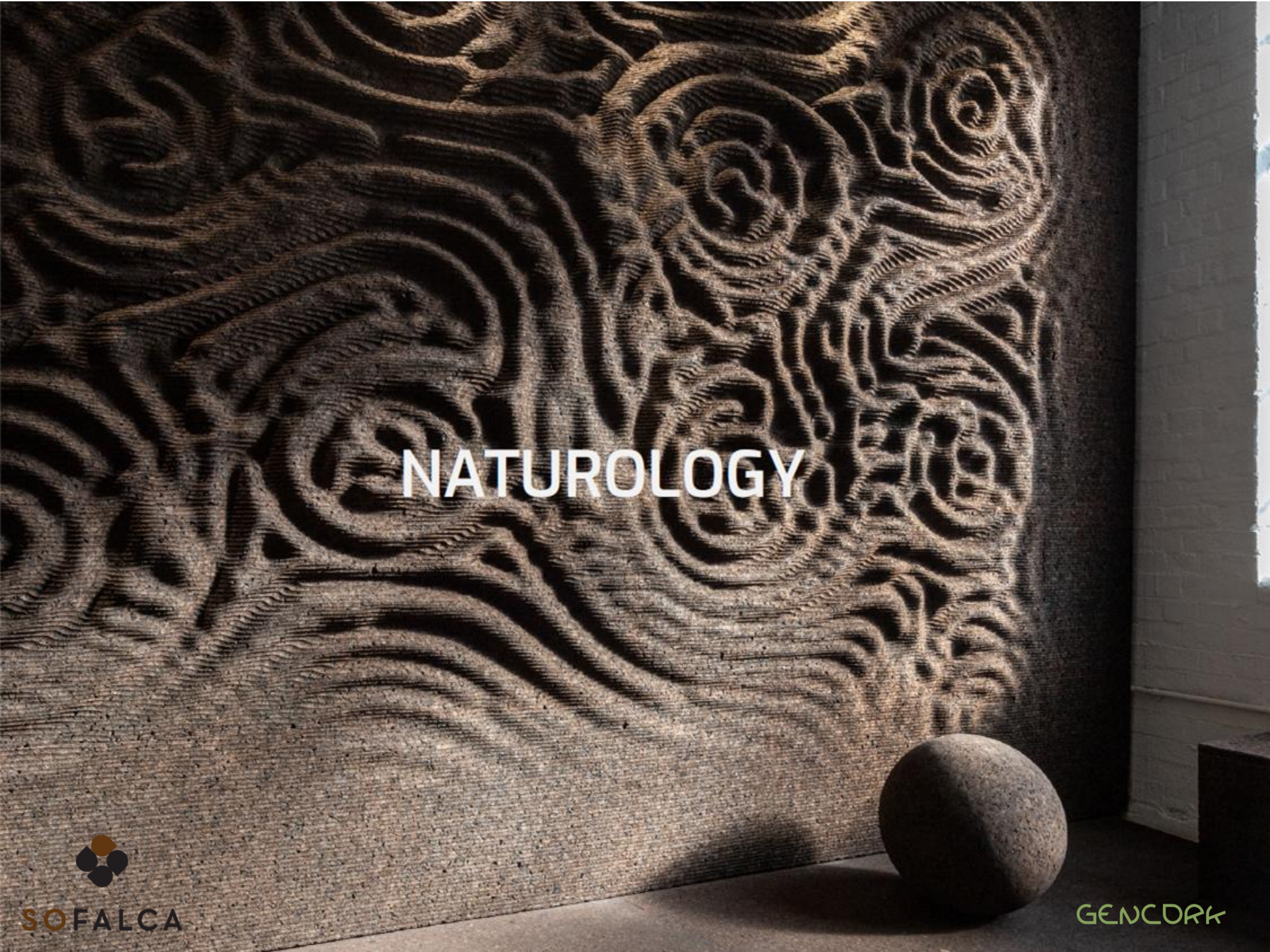
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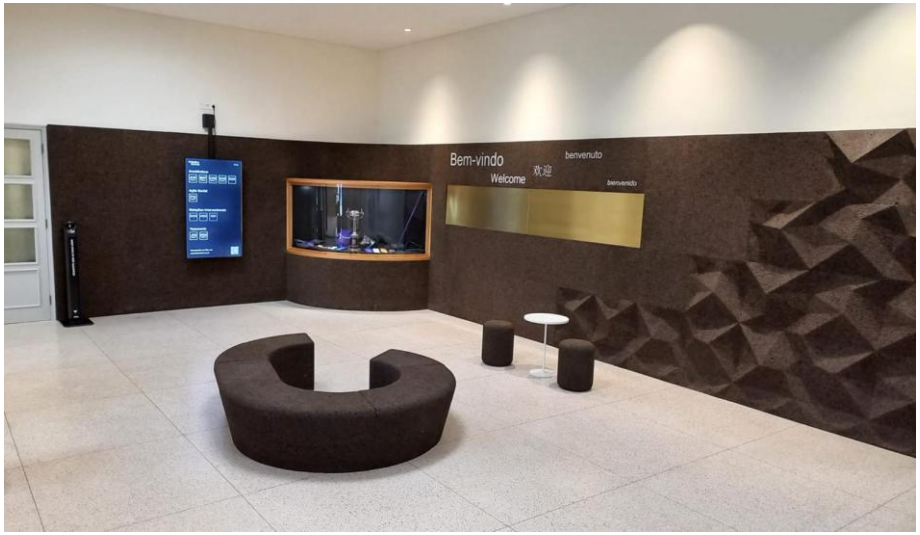





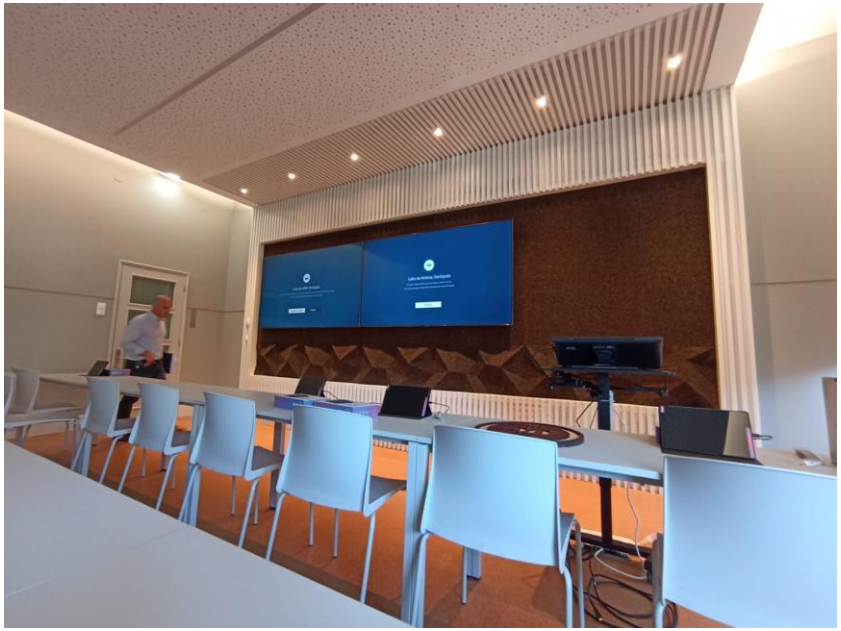




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Zaha Hadid Architects

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The c(AI)rcle I _ AI Pattern

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# The Architecture of Atmosphere

## OMA's New Museum, Oberon restaurant, New York, 2026

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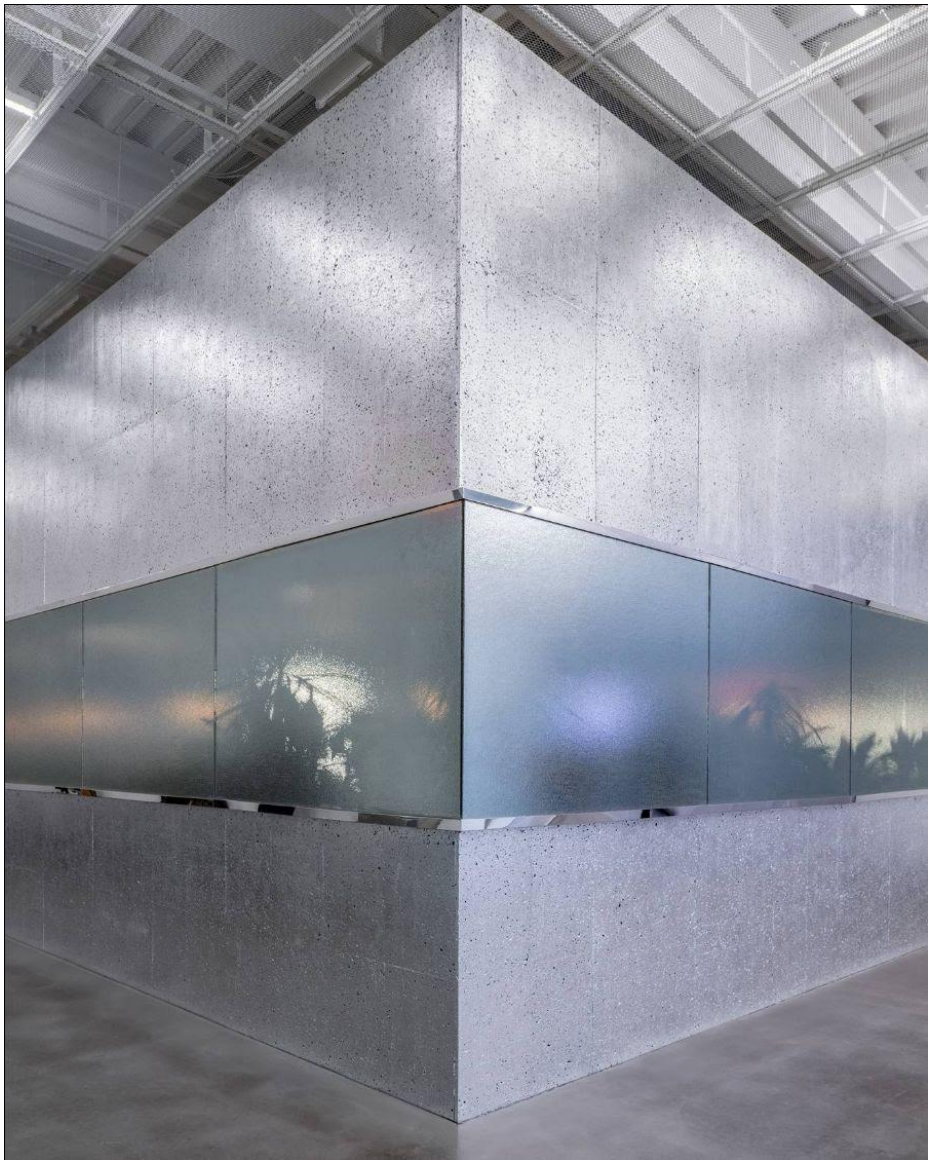

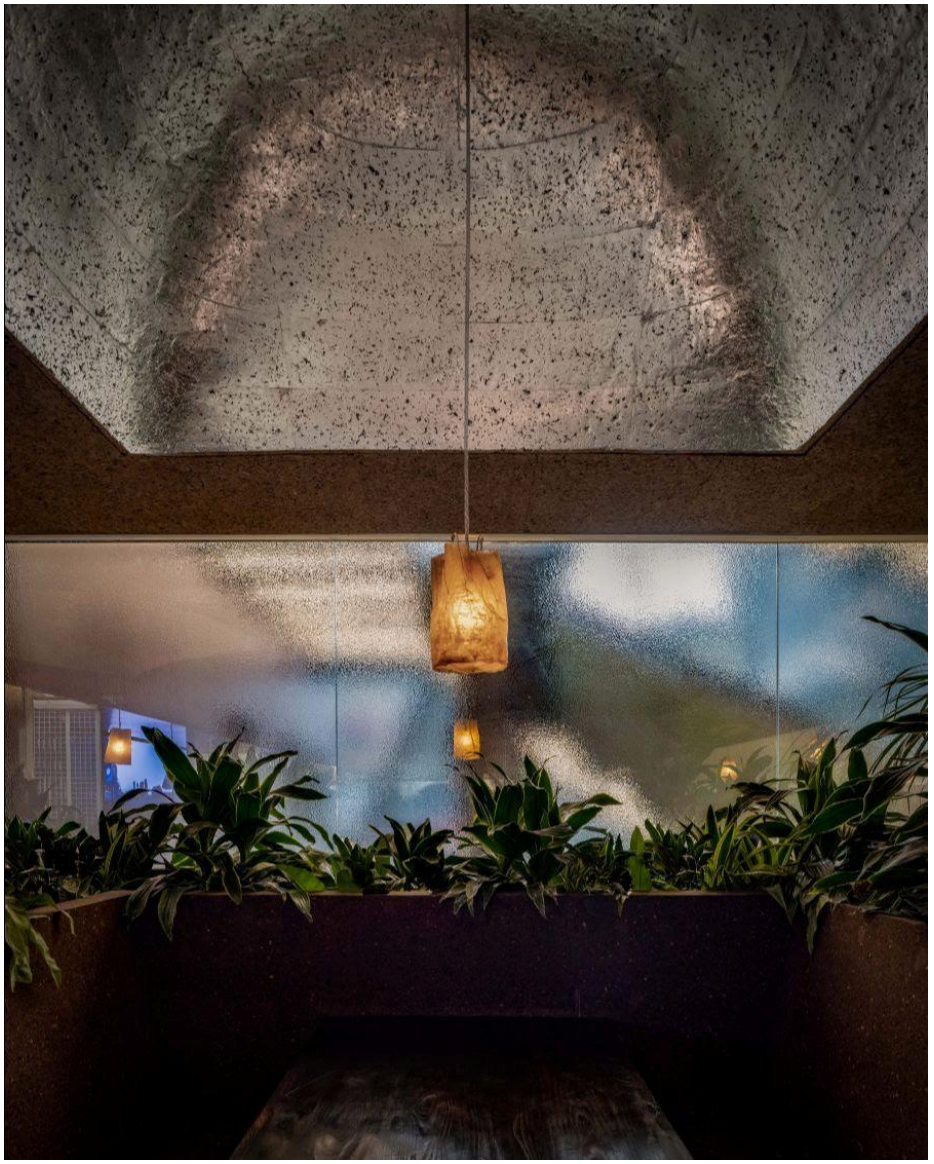

# The Architecture of Atmosphere

## OMA's New Museum, Oberon restaurant, New York, 2026

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