

WORLD LEADER IN CORK

MORE THAN 100 COUNTRIES

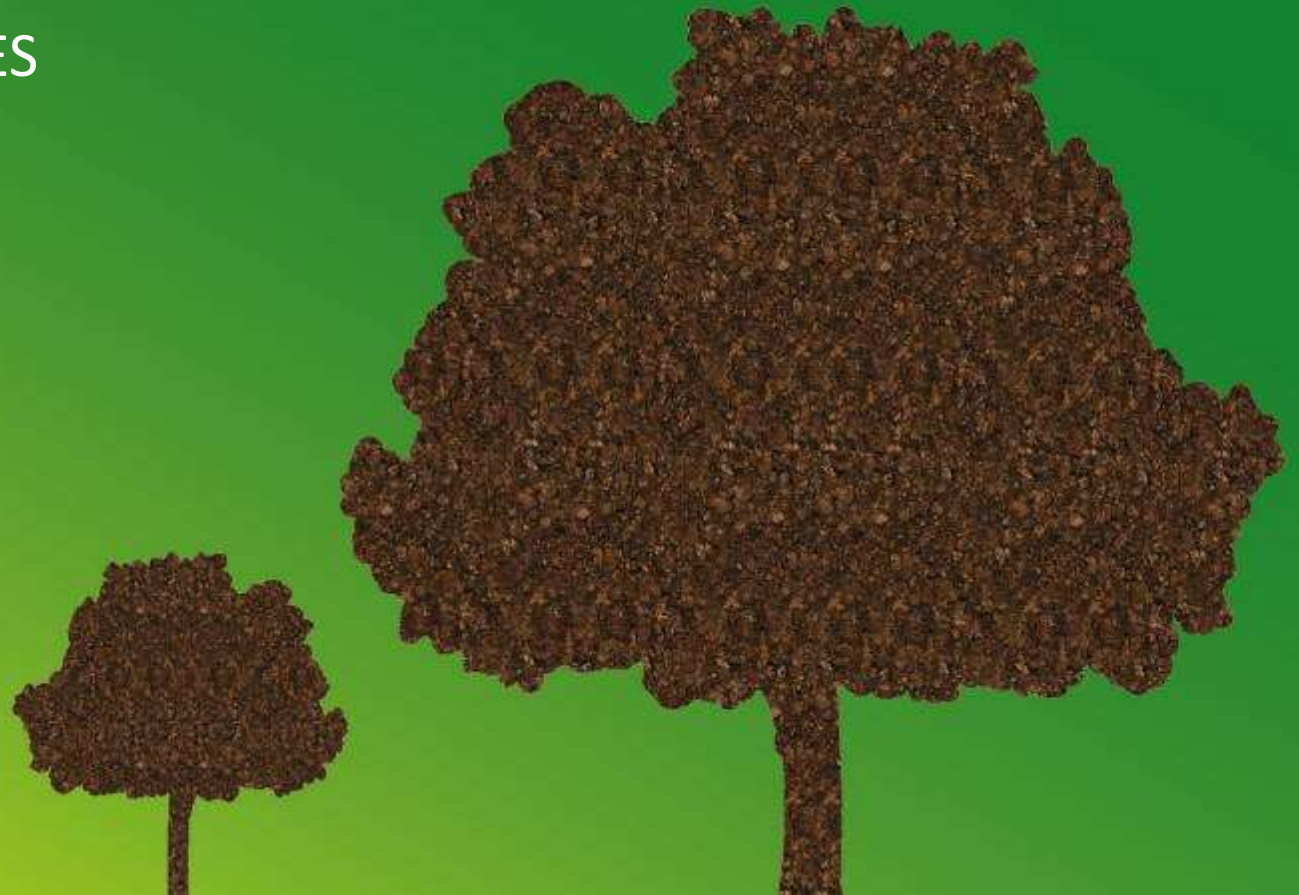
TURNOVER OF MORE THAN € 540 MILLION

3350 EMPLOYEES



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INSULATION CORKBOARD

Applications:

Thermal insulation

Acoustic insulation

Anti vibration insulation



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SEVERAL APPLICATIONS

**TECHNICAL / SUSTAINABILITY
= TOP ONE**

AS INSULATION MATERIAL

100 % NATURAL INDUSTRIAL PROCESS

*Low energy consumption;
93% cork dust - 7%
electricity).*



Combustible – cork dust (biomassa)



Granulated.



Agglomeration > pressure and steam.
Without additives



Cutting



Boards



Packing

TECHNICAL CHARACTERISTICS



Sustainable Material = Efficient sustainable insulation

Density > 110 / 120 Kg/m³

Thermal conductivity 0,036 a 0,040 W/mK

High dimensional stability

Resistance at 10% compression > 100 Kpa

Permeability to water vapor

TECHNICAL FEATURES

Advantages

Thermal insulation

Acoustic insulation

Anti-vibration insulation

100% natural and ecological

Does not react to chemical agents

In case of fire, cork does not release toxic gases

Unlimited durability, maintaining its technical characteristics

Totally recyclable after utilisation



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QUALITY CONTROL / CERTIFICATION



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QUALITY CONTROL /CERTIFICATION



MPA Certification
(Germany)



Ecological Certification
(Germany)



ICEA Certification
(Italy)



ACERMI Certification
(France)



Ecological certification
(Japan)



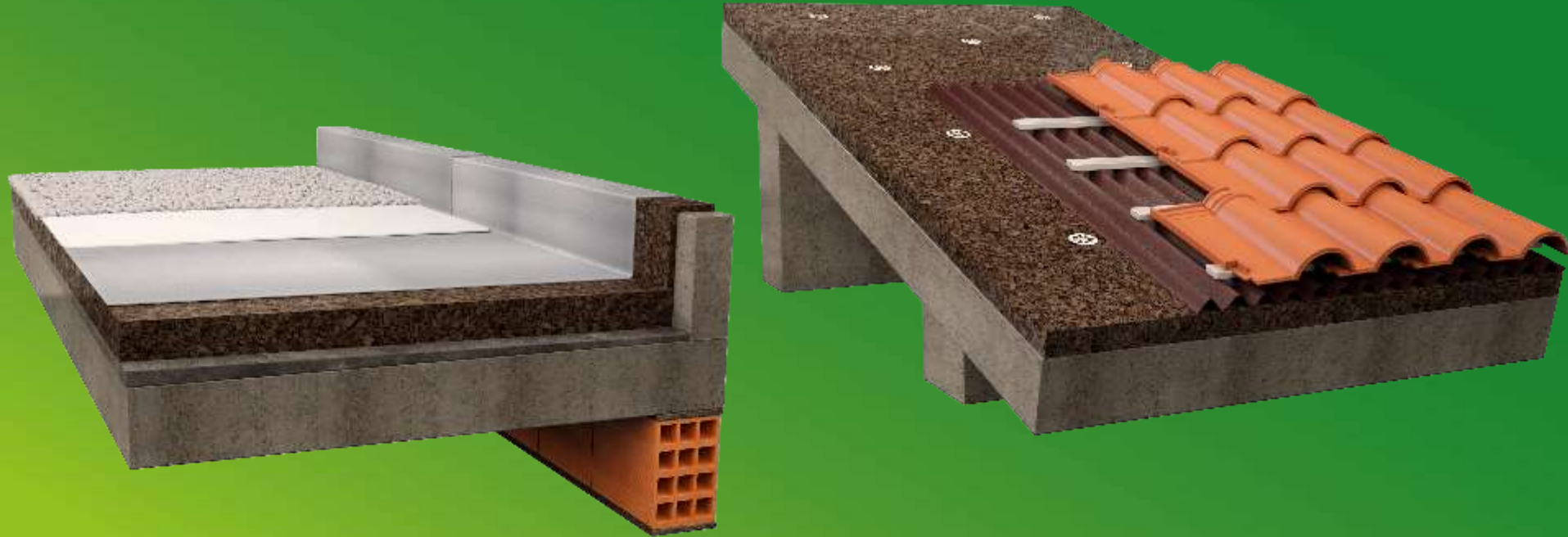
CE Mark
EN 13170 (norm)



Naturplus certification

RELEVANT APPLICATIONS

ROOFS



TRADITIONAL FLAT ROOF

PITCHED ROOF WITH CORRUGATED ROOFING SYSTEM

RELEVANT APPLICATIONS

EXTERNAL WALLS



ETICS/EIFS

DOUBLE WALL WITH INSULATION PARTIALLY
FILLING THE CAVITY

ETICS



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INSULATION CORKBOARD
ETICS REFERENCE PROJECT

PORTIMÃO SPORTSHALL
PT-8500 Portimão

Date: 2012



RELEVANT APPLICATIONS

INTERNAL PARTITIONS



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METAL STUD PARTITION WALL WITH INSULATION

METAL STUD OVER MASONRY WALL
WITH INSULATION

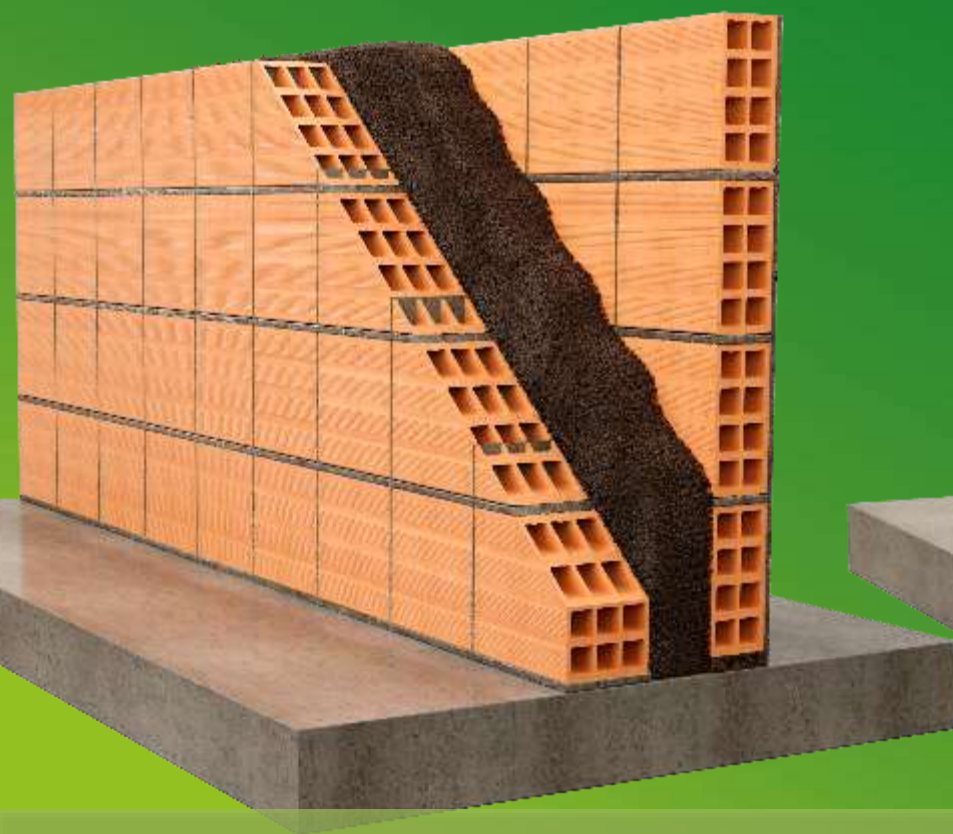
RELEVANT APPLICATIONS

INTERNAL PARTITIONS



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FILLING THE INTERNAL DOUBLE WALLS WITH
EXPANDED CORK GRANULES



METAL-STUD WALL AND SLAB
DISCONTINUITY

RELEVANT APPLICATIONS

SLAB AND FLOORS



FLOATING SLAB WITH WOOD FLOORING



FLOATING SLAB WITH MOSAIC FLOORING

RELEVANT APPLICATIONS

CEILINGS



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RUSTIC DECORATIVE CEILING

RELEVANT APPLICATIONS

OTHERS



EXPANSION JOINTS



DECOUPLING LAYER FOR WINDOW FRAMES
AND CORE

RELEVANT APPLICATIONS

OTHERS



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HVAC VIBRATION CONTROL



HEAVY MACHINERY VIBRATION CONTROL

OTHER APPLICATIONS:

EXPANDED INSULATION CORKBOARD

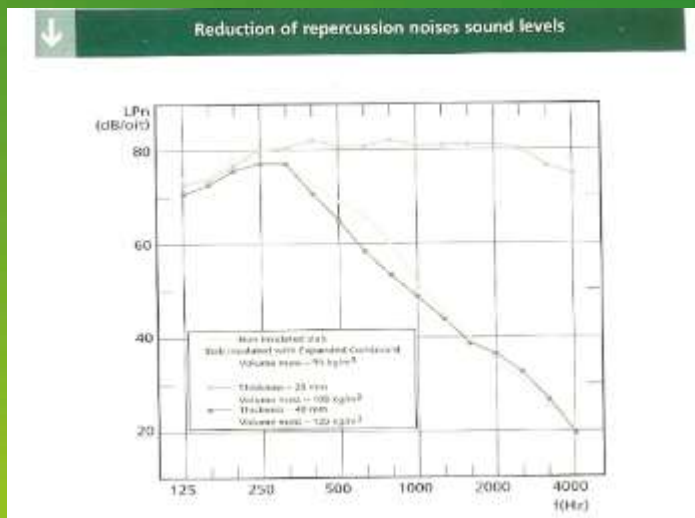
ACOUSTICAL PROPRIETIES ABSORPTION AND IMPACT NOISE



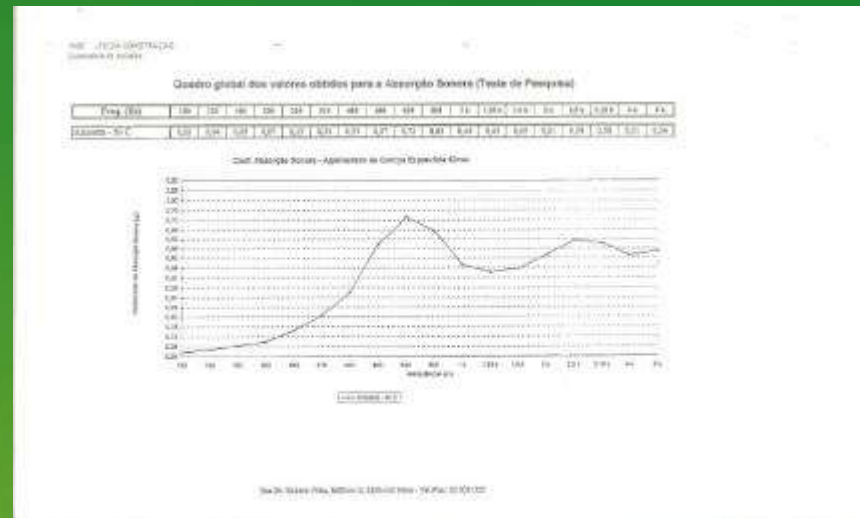
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- Due their elasticity and density, compared with other insulation products (low mass), cork is also excellent for:



Impact noise



Acoustical Insulation for airborne noise

RECYCLING – LIFE CYCLE



Insulation Cork used for Insulation of a COLD STORAGE – built year of 1964. Demolished in 2009 by real estate reasons.

Tests made by independent Laboratory and Thermal conductivity is 0,039 W/mk Means ... after 45 years is still as in the beginning !!!

We suppose is another argument to show that INSULATION CORK is the best:

- 100 % natural
- Good insulation during 45 years
- 45 years saving energy and avoiding CO2 emissions
- After 45 years is still good, after demolition to be recycled and re-used again

GYPCORK



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GYPCORK BOARD





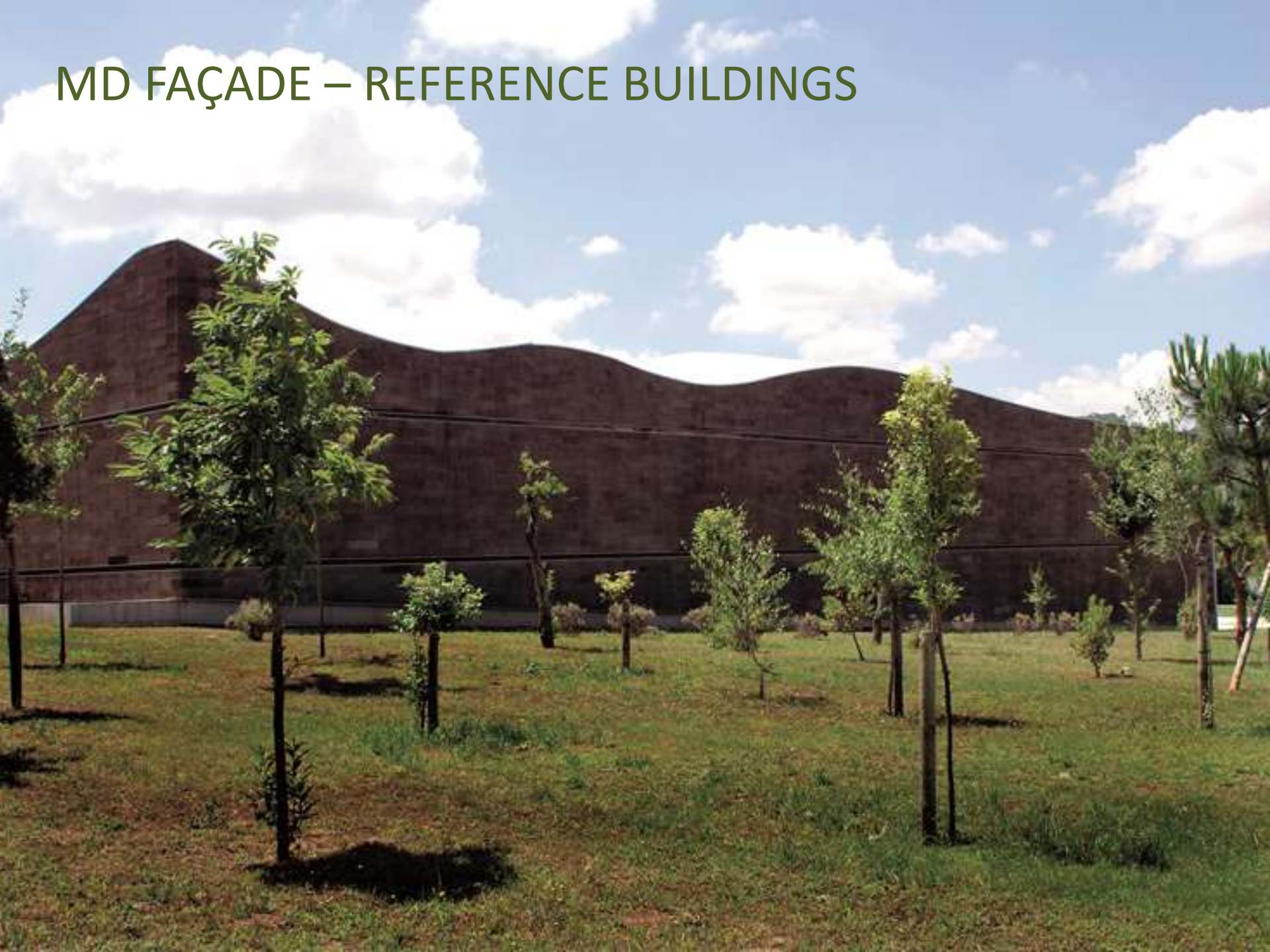
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MD FAÇADE

INNOVATIVE SOLUTION DESIGN AND
TECHNICAL SOLUTION

MD FAÇADE – REFERENCE BUILDINGS



MD FAÇADE – ECORK HOTEL



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WAVE FAÇADE



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WHY TO USE CORK ?

Because ...

→ Cork forest favourable impact:

- * Sink of CO₂ (5 millions tons/year)
- * Biodiversity
- * Avoid social and environmental desertification

→ Raw material:

- * Natural and renewable

→ Industrial process:

- * 100% natural without additives

→ Energy consumption:

- * 90% biomass (waste from indust. Process)

→ Product:

- * Excelent technical characteristics... thermal/acoustical/anti-vibration
- * Very long durability ... keeping their technical characteristics
- * Totally recyclable

CORK IS DIFFERENT ... NATURALLY

