



**Bringing nature
back into play**





Corkeen is the revolutionary surfacing system for playgrounds made from natural cork

Developed and produced by Amorim, the world leader of the cork industry, Corkeen combines unparalleled sustainability credentials, safety, and accessibility in a single solution.

Made from cork, a 100% natural material, Corkeen is the eco-friendly and sustainable surfacing solution trusted by architects for playground projects worldwide.



Bringing nature back into play
through Cork

Cork, a gift from Nature

Cork is the bark of the cork oak tree (*Quercus Suber* L). It is a plant tissue which covers the trunk and branches.

Cork is an exceptional, 100% natural, organic raw material with incredible characteristics that give it unrivalled character and make it valuable in several industries and multiple applications.



Bringing nature back into play
through Cork

Cork is sustainably harvested without felling the tree

The cork oak tree re-grows the outer bark layer and it can be stripped 15-18 times throughout its life.

9 years

The time between each harvest.

25 years

The average time before the cork oak tree is harvested for the first time.

200 years

The average lifespan of a cork oak tree.



Bringing nature back into play
through Cork

Cork's main features

100% natural, reusable
and recyclable



Thermal insulation



Resistance to fire and
high temperatures



High coefficient
of friction



Hypoallergenic



Lightness



Elasticity and
compressibility



Soft touch



Acoustic insulation



Bringing nature back into play
through Cork

The cork oak: an extraordinary tree

The Montado (cork oak forest) is the basis of a biodiversity-generating ecosystem where the roots of the future are planted.

Benefits of the cork oak

- Absorbs and stores carbon dioxide over very long periods of time
- Fights climate change
- Generates high levels of biodiversity
- Prevents soil degradation
- Regulates the hydrological cycle
- Fights desertification





**The cork incorporated
in 1 m² of Corkeen has
a carbon footprint of
-2.66 kg CO₂eq***

Cork, a positive contribution for climate regulation

The cork oak forest provides an essential contribution to the air that we breathe, by absorbing carbon dioxide. It is estimated that for every ton of cork produced in the forest, the cork oak forest sequesters up to 73 tons of CO₂.**

* Carbon footprint refers exclusively to the cork material incorporated per m². Results do not represent the total carbon footprint of the Corkeen system.

** Source: https://www.apcor.pt/wp-content/uploads/2015/10/Brochura_Ambiente_EN.pdf

Bringing nature back into play
through Circular Economy

Corkeen is made according to the principles of circular economy

We give materials a new life by creating new products while taking care of the planet.

To produce Corkeen, we guarantee full utilization of harvested material, ensuring that, just as in Nature nothing is lost and everything is transformed.

Even the smallest cork granules are used as a valuable energy source.

Over 60% of our energy needs are met through the use of biomass (cork dust), which is a CO₂ neutral source of energy.

Raw materials / Industrial symbiosis



Bringing nature back into play
through Purpose

Corkeen's mission: To create safe and sustainable spaces for play and recreation for everyone

Across commercial, private and public spaces, Corkeen creates safe, sustainable and inclusive environments for play and recreation.

As the market increasingly calls for greener and fully accessible solutions, many playground surfacing systems still respond only partially to this challenge, while Corkeen brings together safety, accessibility and environmental responsibility in one solution, helping create healthier communities in harmony with nature.



Bringing nature back into play
through Purpose

Corkeen: A Patented System

Developed with proprietary technology and protected by an international patent, Corkeen is the result of years of R&D investment, technical testing, and sustainable innovation. It's a purpose-built solution engineered from the ground up with one goal: to protect children from the everyday risks of playground falls.

The international patent serves as a seal of authenticity, setting Corkeen apart from look-alike systems that may resemble it visually but may not offer the same level of safety and performance.



Bringing nature back into play
through Performance

Corkeen: a sustainable, safe, and durable playground surface for outdoor spaces

Great impact absorption

Tested according to EN 1177 / ASTM F1292 for critical fall height performance.

Thermal comfort in warm conditions

Cork's thermal conductivity (0.037–0.043 W/(m·K)) is up to 4× lower than typical rubber compounds (0.10–0.25 W/(m·K)), helping surfaces stay cooler under sun exposure.

Sustainable and eco-friendly

The cork incorporated in 1 m² of Corkeen stores –2.66 kg CO₂eq*.

High drainage performance

Tested according to BS 7188.

Slip-resistant

Tested according to BS 7188.

Fire-retardant

Tested according to BS 7188 requirements on ease of ignition.

Weather-resistant performance

Long-term monitoring of installed projects shows CFH values maintained after 5 years.

Suitable for aided mobility

Tested according to F1951.

No harmful substances

Cork is free from heavy metals, EDC, T-COV, formaldehyde and PAH.

Lightweight

Corkeen system granules typically have a density of 65–130 kg/m³, significantly lower than rubber granules (400–700 kg/m³), resulting in a lighter surface that is easier to transport and install.

Odorless

Naturally odour-free material, ensuring a clean and neutral environment during installation and throughout product lifetime.

Bringing nature back into play
through Performance

Retained fall protection

With Corkeen, fall protection is permanent. It does not move, nor is it blown away, but it remains in place and protects, year after year.

Corkeen has two cork layers: a flexible base layer, and a firm top layer. This means that the coating will maintain its characteristics even after years of use, protecting against falls.

Thickness (mm)	CFH/m (EN 1177)	CFH/m (ASTM 1292)
40	1,45	
50	1,60	1,22
70	2,00	
85		1,82
90	2,30	
110	2,60	
120		2,44
135	2,80	



Bringing nature back into play
through Performance

Critical fall height performance of Corkeen projects

The Corkeen system is validated in real-life installations to ensure long-term playground safety. The Critical Fall Height results shown derive from a selection of projects across different geographies.

1 YEAR

Lake Highlands

Country: USA
Installed: 2024
Critical Fall Height: 1.80m

2025 audit – compliant

3 YEARS

Amalie Skramsvei

Country: Norway
Installed: 2022
Critical Fall Height: 1.60m

2022 audit – compliant
2025 audit – compliant

5 YEARS

Kirkebukten Park

Country: Norway
Installed: 2020
Critical Fall Height: 1.60m

2022 audit – compliant
2025 audit – compliant



Bringing nature back into play
through strong Partnerships

Corkeen Brand Masters

Our business model is based on partnerships with our Corkeen Brand Masters, who represent the brand and its exclusive system.

Corkeen Brand Masters are companies with recognized experience in the installation of playgrounds, certified by Corkeen to install and train other installers of Corkeen system within their geographic territory.



Bringing nature back into play
through strong Leadership

Trusted by
municipalities,
landscape architects
and playground
specialists worldwide.

30
Brand Masters

Since
2019

+145.000 m²
Installed area

+1.000
Projects

24
Countries
worldwide



Corkeen projects





ČESKÉ BUDĚJOVICE

Czech Republic

Client: České Budejovice City
Dimension: 380 m²
Brand Master: Gartensta

TYSVÆR

Norway

Client: Frakkagjerd Youth School

Dimensions: 844 m²

Brand Master: Sandvik Play



STAVANGER

Norway

Client: Stavanger University Hospital

Dimensions: 150 m²

Brand Master: Sandvik Play

JARDIM SENHORA DO PORTO

Portugal

Client: CMPorto

Dimensions: 194 m²

Brand Master: Gaspar



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VOLUNTARI

Romania

Client: Voluntari, Ilfov County

Dimensions: 75 m²

Brand Master: Indfloor



SQUARE DE LA GARE

France

Dimensions: 160 m²

Brand Master: SQUAIRE Services

LUBIN

Poland

Client: Council of Lubin

Dimensions: 200 m²

Brand Master: ECO-TOP





TÄBY

Sweden

Client: Municipality of Täby

Dimensions: 400 m²

Brand Master: Nordic Surface

SKANÖR

Sweden

Client: PEAB

Dimensions: 160 m²

Brand Master: Nordic Surface





SANTIAGO

Chile

Client: Municipality of Vitacura

Dimensions: 150 m²

Brand Master: Urbanplay



WEST NUSA TENGGARA

Indonesia

Client: Buin Batu International School

Dimensions: 400 m²

Brand Master: RetroMax

VICTORIA PARK

UK

Dimensions: 450 m²

Brand Master: PlaySmart



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FORTH WORTH, TEXAS

USA

Client: Fort Worth

Dimensions: 171 m²

Brand Master: Child's Play

Bringing nature back into play
through Leadership

Corkeen is produced by Amorim, the cork industry leader

Amorim holds a worldwide leadership position in five main areas: raw materials, cork stoppers, composites, flooring and wall coverings, and insulation.

With more than 150 years, Amorim has made an unparalleled investment in research, innovation, and design, developing a portfolio of products and solutions with high added value that anticipates market trends and exceeds the expectations of some of the most demanding industries worldwide.



AMORIM





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