

## Product specifications:

Base edging (substrate):	ABS (thermoplastic)	*Given the technical specificity of the cork sheet incorporated in our production process that does not allow the use of fleece on the back to support the very thin cork sheet, and cork being a 100% natural product that can break, we cannot guarantee a standard roll length. Therefore, the minimum roll length is 25 meters, which does not mean that it is not possible to provide 50, 75 or 100 m rolls. For this reason, it is crucial that you confirm this detail with our Commercial Department prior to order.
Coating layer:	natural cork	
Thickness of the ABS base edging:	0.9 mm up to 1.2 mm	
Thickness of the cork layer:	0.2 mm up to 0.3 mm	
Widths:	22 mm up to 100 mm	
Product family:	K	
Roll Length:	25m; 50m; 75m; 100m (multiples of 25 meters)*	

## Technical Specifications:

ProCork brings together the excellent properties of the ABS edging and the natural cork, making it an excellent product also from the technical point of view. ProCork is very easy to process and works just like a conventional ABS edging. However, to ensure a perfect finish, we recommend some adjustments to the machine parameters for milling and polishing and the use of transparent glue.

## Decors available from stock:

ABS + natural cork layer | 1,2 mm x 23 mm (other widths available on request) | Roll Length: 100 m

**Pear Natural** - decor K016      **Grit Natural** - decor K001      **Pebbles White** - decor K008      **Pebbles Black** - decor K009



**ProCork**  
nature is here

**Nature's most  
extraordinary  
product**

### NATURAL CORK COATED BOARDS:

Derwo supplies DerCork: chipboard panels coated with natural cork sheet on both sides.  
Standard dimension in stock: 3070 x 1240 x 19 mm (for decors Pear Natural and Grit Natural).  
Besides particleboard for support, available in stock, Derwo can produce DerCork in MDF or other lightweight board.  
For further information on DerCork boards, contact geral@derwo.pt | +351 232 771 033.



In addition, Proadec supplies natural cork sheets to be bonded to a core board.  
Decors: Pear Natural, Grit Natural, Pebbles | Width: 1400 mm | Length: from 5 m up to 25 m (multiples of 5 m).

## What is cork?

Cork is the bark of the Cork Oak tree (*Quercus suber* L). It is a completely natural raw material, with unique properties which give it an unrivalled character. The cork oak is an evergreen tree mainly found in the Western Mediterranean Basin, mainly in the Alentejo region in South – eastern Portugal, where there are ideal growing conditions.

## What is cork made of?

The cork oak is the world's only oak specie producing a thick bark uniform structure, which spontaneously grows as covering over dying tissue. This bark - in everyday language, "cork" - is a necrotic tissue made up of closed dead micro-cells, in the shape of tiny pentagonal or hexagonal honeycombs and completely filled with a gaseous mixture almost identical to the air environment surrounding the tree, which makes up 90% of its volume. These cells are, in themselves, very impermeable, since the transfer of liquids between them is very slow.



### Extracting the bark of the cork oak

Stripping (harvesting) is the ancient process of extracting the bark of the cork oak - the cork. Today, this work is still done by specialised professionals, with absolute precision, who use just a single tool: the axe. Cork trees are carefully harvested to avoid damage and promote regrowth. The first stripping takes place when the cork oak is 25 years old. Subsequent stripping takes place with an interval of at least nine years. After the cork is extracted from the tree, it stays on layers to dry. Afterwards, it goes to the factory to be cut, compressed, cleaned, washed, etc.



### The cork oak is Portugal's national tree

Around 23% of Portugal's forest area is made up of cork oaks, which support one of the country's main industries, besides providing a fundamental contribution to the preservation of the biodiversity associated with the cork oak forest. The cork oak's importance for Portugal has been recognised since the 13th century, a time when the first laws arose for the protection of the species.

## Main characteristics of cork

Cork is a raw material which is so perfect that no industrial or technological processes have yet been able to replicate.

-  **VERY LIGHT**  
Over 50% of its volume is air, which makes it light enough to be able to float on water.
-  **ELASTIC AND COMPRESSIBLE**  
It is the only solid which is able to adapt to variations in temperature and pressure without suffering alterations.
-  **IMPERMEABLE**  
Cork is practically impermeable to liquids and gases. It enables it to age without deteriorating.
-  **THERMAL AND ACOUSTIC INSULATOR**  
Cork has low conductivity to heat, noise and vibration.
-  **ABRASION/IMPACT RESISTANT**  
Thanks to its honeycomb structure, cork is resistant to wear, which makes it less affected by impact or friction than other hard surfaces.
-  **HYPOALLERGENIC**  
Cork does not absorb dust, and therefore helps protecting against allergies and asthma.
-  **NATURAL TOUCH**  
The natural texture of cork combines softness and flexibility to the touch with a naturally uneven surface.
-  **BIODEGRADABLE, RECYCLABLE AND RENEWABLE**  
Cork is a natural raw material, 100% biodegradable, recyclable and renewable.



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## Cork Edging

### The first natural cork edging ever!

Proadec brings cork into the furniture manufacturing and the interior design segments a complete new, fashionable and 100% eco-friendly edgebanding under the motto: "nature is here".

Imagine a naturally warm, charming and designer piece of furniture with acoustic and thermal insulation, among other unique features... Real cork edging is an innovative and original accessory for the furniture industry. No matter what your style is... ProCork edgings fit perfectly anywhere!

*In recent years, more and more customers are seeking out eco-friendly products, with increasing interest in recyclable, reusable and biodegradable products, with natural ingredients from renewable sources, with contents under approved chemicals that do not harm or pollute the environment, that are not tested on animals, etc. ProCork integrates all these features further adding magnificent design and unique features.*

### ProCork - what is it?

Proadec ProCork consists of real cork laminated on the surface of the ABS based edging, combining the green plastic ABS with the most extraordinary natural material: cork!

The ABS base colour is covered by real cork foil which is laminated to the surface of the ABS base edging. The adhesion of the cork foil to the substrate has been completely tested and is fully guaranteed. The ABS base edging (produced according to high standards of quality and raw materials from controlled origins) is developed to match the shade of the cork so that the joint is almost imperceptible.