

# BIOPAN REV

## TECHNICAL DATA SHEET



### PHYSICAL CHARACTERISTICS

Material	Panel 100 % natural, obtained from cork oak bark
Dimensions	1000 x 500 mm
Available thickness	from 20 to 240 mm

### TECHNICAL CHARACTERISTICS

Density	from 125 to 160 kg/m <sup>3</sup>
Coefficient of thermal conductivity	from 0,042 to 0,046 W/mK
Reaction to fire	Self-extinguishing Euroclass E
Water absorption	< 0,3Kg/m <sup>2</sup>

This product comes from a renewable and sustainable raw material. In fact, cork is extracted without cutting or damaging the tree. Moreover, the decortication and maintenance of the cork oak forest is an activity with low environmental impact, which safeguards and protects a very fragile and unique ecosystem in the world.

Cork is recyclable, biodegradable, lightweight, gas and smoke-proof, elastic and compressible, with excellent mechanical and acoustic thermal insulation properties.

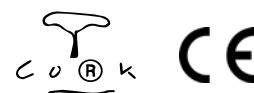
The Biopan REV insulating panel is obtained by subjecting the cork granules to a thermal roasting process with the help of steam at 350° which causes the expansion of the granules themselves improving the characteristics of insulation, resistance and dimensional stability.

During this phase the waxy substances present in the cork, such as suberine, are melted, which act as a natural glue allowing the aggregation of the cork granules, making the panel solid and compact and covering the granules themselves with a protective film that is impermeable to water, but permeable to steam, and ensuring the total absence of added adhesives or additives.

In this way all the original physical and mechanical properties of natural cork are transferred into an elastic product, permeable to vapour and with exceptional thermo-acoustic and anti-vibrating insulation characteristics. A long-lasting panel that maintains its performance unchanged over time.

BIOPAN REV – Architectural facade cladding and face coats.

It is the Premium version of the Biopan panel, designed and manufactured with suitable density and selected raw material in order to improve its mechanical resistance and water absorption for use in architectural facade cladding, and for exposed face coats without skimming. It guarantees unlimited durability and excellent performance, without the need for maintenance, even when exposed to the most demanding weather conditions.



Via G. Calabrò 1/c - 66034 Lanciano (CH)

Tel. +39 0872 716866 • Fax +39 0872 590398 - info@biosughero.it - www.biosughero.it

## BIOPAN REV / technical data sheet



1. Wall
2. Fixing
3. BIOPAN REV

### ADVANTAGES

100% Natural product, no formaldehyde  
Thermal and acoustic insulation  
Protection from summer heat and winter cold  
Breathable, anti-condensation and anti-mold  
Unlimited duration and unaltered performance over time  
Ideal for indoor and outdoor face-to-face wall cladding system  
Not required maintenance  
Not required additional finishing  
Gives character and personality to buildings  
It can be painted  
Non-rotting, odorless, unassailable by insects and rodents

### FIXING

#### Gluing with adhesive

(two-component adhesives  
or fast bonding mastics)

#### Mechanical fastening

(self-screwing  
screws)

#### Without varnish

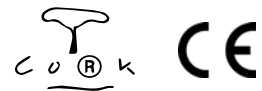
(natural look)

#### With varnish

(solvent based paint,  
with or without UV  
protection)



la scelta naturale  
**BIOSUGHERO**



Via G. Calabrò 1/c - 66034 Lanciano (CH)

Tel. +39 0872 716866 • Fax +39 0872 590398 - info@biosughero.it - www.biosughero.it