

# SoKoVerd.C1

**Super-compressed and pre-formed light natural cork panel**

Super-compressed, pre-formed and pre-painted light natural cork panels. Panels made of agglomerate of "pure" pre-boiled light cork, normalized in its fibro-cellular structure.

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## Use

It is used to reduce sound reverberation or echo inside rooms.

The wide range of SoKoVerd.C1 panels offers the solution for many construction problems related to interior design, safety and thermo-acoustic comfort.

Its use is especially recommended in places of worship, cinemas, theatres, auditoriums, schools, multi-purposes places, sports facilities, wellness centres, offices, stores and technical rooms.

## Application

Glued with quick setting adhesive PraKov for coating application or with wood under structure for membrane covering application.

## Item specification

**Indoor covering system** by wall adherence with sound-absorbing and thermo-insulating panels made of super-compressed, pre-formed and pre-painted light natural cork SoKoVerd.C1.

SoKoVerd.C1 is available in this size and this features:

3cm thickness: 90x60cm - 100x50cm - 50x50cm - 100x25cm size

4cm thickness: 100x50cm - 50x50cm - 100x25cm size

5cm thickness: 100x50cm - 50x50cm - 100x25cm size

density 200/220kg/m<sup>3</sup> CE compliance certificate according to EN 15102:2007 standard, fire resistance (Euro class) B s2 d0.

Pannels will be glued by wall adherence, with special quick setting adhesive PraKov.

Choice of colours and drawings.

**Indoor membrane covering system** by ceiling adherence with sound-absorbing and thermo-insulating panels made of super-compressed, pre-formed and pre-painted light natural cork SoKoVerd.C1.

SoKoVerd.C1 is available in this size and this features:

3cm thickness: 90x60cm - 100x50cm - 50x50cm - 100x25cm size

4cm thickness: 100x50cm - 50x50cm - 100x25cm size

5cm thickness: 100x50cm - 50x50cm - 100x25cm size

density 200/220kg/m<sup>3</sup> CE compliance certificate according to EN 13964:2004 standard, fire resistance (Euro class) B s2 d0, durability class C.

Pannels will be laid by ceiling adherence with wood under structure of 2cm thickness.

Choice of colours and drawings.



**COVERD**

**Applied technology of natural cork for acoustic and bioclimatic insulation**  
**Acoustics division**  
**Energy division**

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ISO 9001

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## Bio-compatibility

The SoKoVerd.C1 panel has no negative effects on the healthiness and transpiration of inside spaces because it is totally composed of natural cork. Thanks to its nature, it doesn't cause allergies and doesn't produce irritating dust during the processing step and the laying.

The SoKoVerd.C1 panel is comparable, for its nature, to a wooden element.

## Eco-compatibility

SoKoVerd.C1 panels, are obtained by grinding cork barks.

The barks picking doesn't require tree felling. Barks grow back naturally, without chemical fertilizers and a new picking is possible after only ten years. Therefore the cork is a renewable and inexhaustible resource. The picking process is manually done, with just a minimum use of machinery. Production and transport require a low energy consumption because of the lightness of the product. Production wastes (dust, etc.) are burned to produce thermal energy, used for the same production or in agriculture. Processing wastes are completely reusable.



## Technical data sheet

**Package:** panels on pallet

**Panels size:** 90x60cm - 100x50cm - 50x50cm - 100x25cm thickness 3cm

100x50cm - 50x50cm - 100x25cm thickness 4-5cm

**Available thickness:** 3 - 4 - 5 cm (tolerance  $\pm$  3mm)

**Density:** 200/220 Kg/m<sup>3</sup>

**Thermal conductivity  $\lambda$ :** 0.044 W/m<sup>2</sup>K

**Specific heat:** 2.1 KJ/KgK

**Vapour permeability:** (E-12) 11 Kg/smPa

**Reaction to fire:** CE compliance certificate according to EN 15102:2007 standard, fire resistance (Euro class) B s2 d0

CE compliance certificate according to EN 13964:2004 standard with fire resistance (Euro class) B s2 d0 durability class C.

### Balls impact resistance in sports facilities:

Certification according to EN 13964:2004 standard

Clas 1A (impact speed 16,5 m/s) SoKoVerd.C1 Speed 60 wall and ceiling covering system

**Ecological safety:** if exposed to flame, they do not produce toxic gases, hot and harmful fumes

**Acoustic absorption:** the acoustic absorption coefficient improves according to the distance between the ceiling and the cork panel

### Acoustic absorption coefficients $\alpha$ :

Frequencies Hz	125	250	500	1000	2000	4000	8000
	0,20	0.33	0.38	0.48	0.44	0.65	0.70

### Biologically pure

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