

# SugheroLite

**Boiled and ventilated granulated light natural cork**

**Boiled and ventilated granulated light natural cork, available in grain size 4 and 4/8 mm. The granulated cork is obtained from barks that, after the seasoning, are boiled at 120° for at least one hour, crushed and ground. Cork granules are free of wooden wastes and dust, and selected to eliminate residual organic substances.**

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**BioEdilizia**



**COVERD**

**Applied technology of natural cork for acoustic and bioclimatic insulation**  
**Acoustics division**  
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## Use and application

Due to its excellent features, it is particularly suitable for eco-friendly buildings with reduced environmental impact and low energy consumption.

The most appreciated features are: low thermal conductivity, high transpiration, high mass, high elasticity, very low thermal diffusion, high humidity resistance, cheapness, handiness and ease of installation. The SugheroLite granular cork has a wide range of applications, such as:

- Thermal insulation of outside walls, through the insertion in the cavity with a special machine
- Dry laying for thermal insulation of non-walkable floor
- Dry laying for thermal and acoustic insulation of wooden coffered ceiling
- Dry laying for thermal and acoustic insulation of pitched coverings between two wooden boardings

## Item specifications

... Eco-friendly and transpiring insulating layer composed of granules of light natural cork (SugheroLite Costante with 4 mm grain size or, SugheroLite Media with 4/8 mm grain size) of selected quality, boiled for at least one hour without dust and wooden wastes ...

## Bio-compatibility

The SugheroLite 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 SugheroLite is comparable, for its nature, to a wooden element.

VOC Emission: A + (French Decree 2011-321)

Emissive qualities were tested in a voluntary way through methods that allow to determine the presence of any volatile compounds emitted by the product in its operating conditions. These tests were performed by means of DHS spectrophotometric analysis on the 89 substances indicated in the EPA list (Environmental Protection Agency) 8260 C 2006, by obtaining a very positive result and values under the instrumental recording limit.

## Eco-compatibility

The SugheroLite is 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.

\*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de a+ (très faibles émissions) à C (fortes émissions).

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## Technical data sheet

**Physical specifications:** pure natural organic product obtained from the selection and ventilation of cork granules, boiled for an hour and without wooden wastes.

**Grain sizes:** Costante 4 mm  
Media 4/8 mm

**Package:** Polyethylene bags - 143 litres

**Weight and Volume:** 70/100kg/m<sup>3</sup>

**Thermal conductivity  $\lambda$ :** SugheroLite Costante W/m<sup>°K</sup> 0.043  
SugheroLite Media W/m<sup>°K</sup> 0.045

**Vapour permeability:** (E-12) 37,50 Kg/sm<sup>2</sup> Pa

**Average humidity content:** 6%

**Heat capacity:** kj/KgK 2,1

**Emission of Volatile Organic Compounds (VOC) - DHS spectrophotometric analysis:** under the instrumental recording limit



### Certifications

The light natural cork is not subjected to CE marking for construction materials, because to this day there isn't a product harmonized technical rule.

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This technical data sheet replaces and cancels all previous versions (if in doubt please check the code of the form showing the revision date and, possibly, visit our website [www.coverd.it](http://www.coverd.it) in the dedicated section). Indications and regulations above described, are based on our current technical and scientific knowledge, which, in any case, are to be considered merely indicative, as the conditions of use are not verifiable. Therefore, the customer must check the suitability of the product in its specific case, taking on the responsibility for its use, by releasing Coverd from any claim damages. For any further information please contact our technical department.