

# BIOFLEX

## TECHNICAL DATA SHEET



NATURAL PRODUCT



SOUND INSULATION



RENEWABLE RAW MATERIAL



### PHYSICAL CHARACTERISTICS

Material	Supercompressed cork rolls and panels for commercial and residential use
Dimensions	Width: from 500 mm to 1300 mm - Thickness: from 0.8 mm to 12 mm - Length: on customer's request
Tolerance for width and length	≥ nominal value
Thickness tolerance	Thickness ≤ 5 mm → ± 0.2 mm Thickness ≥ 5 mm → ± 5% max of 0.5 mm
Tensile breaking tension	≥ 200 kPa

### TECHNICAL CHARACTERISTICS

Density	200 – 240 Kg/m <sup>3</sup>
Thermal conductivity	0.042 W / m K
Fire resistance	Class E self-extinguishing and weakly smoky, does not feed the flame spread
Compression	20 - 40 %
Reduction of impact noise	Aprox. 17 a 20 dB(A)
Recovery	65% min.
Flexibility	Factor 5: Passa

### ADDITIONAL INFORMATIONS

- Natural product, antistatic, anti-allergic, biocompatible.
- Unlike other synthetic insulators it does not release solvents or harmful particles.
- Pleasant to the touch, it can be laid on sight as soundproofing and anti-condensation or plastered, painted or varnished.
- Unparalleled in renovations for thermal insulating interior coats, thanks to its high vapor permeability definitely solves the problems of moisture, condensation and mold.
- Excellent sound insulation against impact and footfall noise, can be applied directly under laminates, parquet, ceramic, natural stone etc.
- Ideal as thermo-acoustic mat for laying floating floors; compact, elastic and flexible, it allows to level small irregularities and imperfections of the screed. Also suitable for heated floors.
- Great durability and dimensional stability, even when subject to high temperature variations.
- Hygroscopic, non-rotten, unassailable by insects and rodents.



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

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