



Hermanos Berná, s.l.
www.hermanosberna.com



SELVA-KORK®

SELVA KORK: NATURAL BOARDS FOR INSULATION

Introduction

NATURAL AGGLOMERATED CORK FOR THERMAL AND ACOUSTIC INSULATION.
It obtains intervening granulated cork with additional binder.
Energy economy and heat retention.

Technical Specifications

Density :	160 / 180 Kg /m ³
Thermal conductivity:	(mean temperature 20°) 0,041 Kcal.m/m ² . °C.hr
Behavior in boiling water:	It doesn't disagglomerate neither deforms
Water absorption by volume:	less than 3%
Fire behavior (horizontal board):	With difficulty combustion. It doesn't emit poison gas. Safe in case of fire.
Compressure resistance(thickness 40 mms):	21,3137 N/cm ² (2,2 kg/cm ²).
Water vapor permeability:	d – 2,62.1010 kg/m.s.Pa

Presentation Formats

SELVA KORK are presented in boards of:

Length: 1000 mms.

Breadth: 500 mms.

Thickness: 20, 25, 30, 40, 50 and 60 mms.

Applications

Thermal insulation for cold-storage rooms, roofs, interiors, walls (on internal surface or in its cavity), parkings, ceilings and floors. Acoustic insulation in general and impact sound insulation boards to be used under floating floors.



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Acoustic absorption

Acoustic absorption of AIR NOISE, according to the standard UNE-EN ISO 140-3:1995.
These are the indices of noise reduction according to the tests performed:

FREQUENCY (Hz)	REDUCTION (dB)	UNCERTAINTY +U
100	39,8	5,5
125	38,0	5,5
160	39,4	3,5
200	39,4	3,0
250	39,3	3,0
315	35,8	2,5
400	37,9	2,5
500	37,9	2,5
630	38,0	2,0
800	39,6	2,0
1000	43,5	1,5
1250	47,7	2,0
1600	49,5	2,0
2000	50,5	2,0
2500	51,5	2,0
3150	53,4	2,0
4000	56,9	2,0
5000	60,5	2,0

- Overall weighted sound reduction index A, R: 43,8 dBA.
- Weighted sound reduction index , R_w : 43 (1 ; -2) dB.