

# EXPANDED INSULATION CORKBOARD

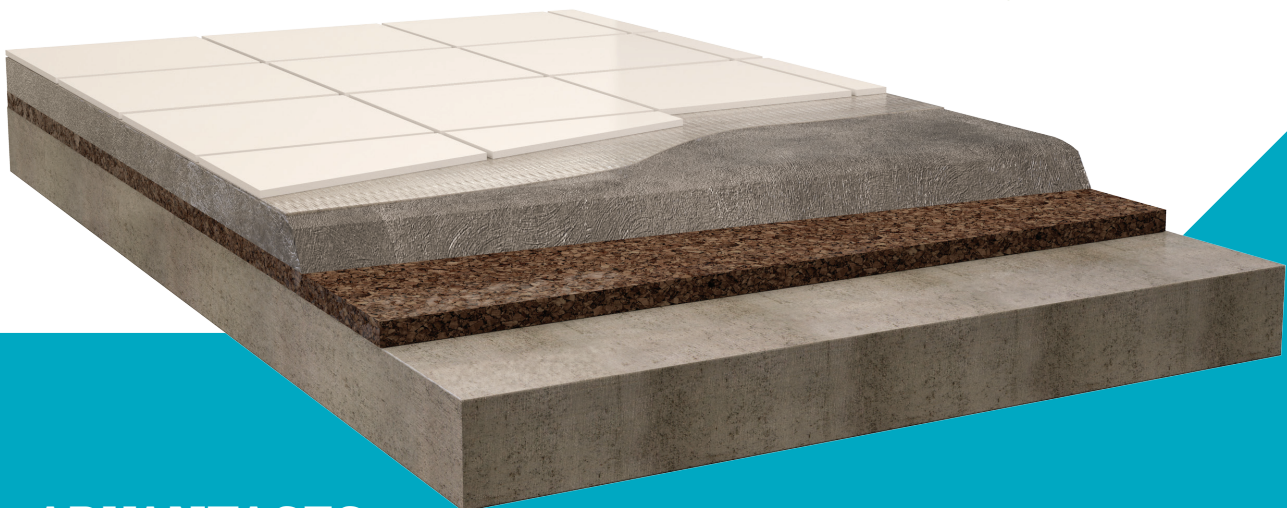
## FLOATING SLAB WITH MOSAIC FLOORING



AMORIM  
AMORIM ISOLAMENTOS, S.A.

25<sub>db</sub>

- Final flooring
- Glue
- Screed
- Expanded Insulation Corkboard
- Slab



NOT CONTRACTUAL PHOTO

### ADVANTAGES

1. Excellent thermo-acoustic system performance
2. Excellent mechanical strength
3. Excellent system inertia
4. Dimensional stability of the material
5. High durability without loss of features
6. Healthier natural product
7. Comfort with healthy insulation
8. Excellent breathability capacity
9. Allows energy savings
10. Long term effectiveness

**100%  
NATURAL  
CHOICE**

EXPANDED  
INSULATION  
CORKBOARD IS  
A SUSTAINABLE  
MATERIAL FOR  
A SUSTAINABLE  
INSULATION

# EXPANDED INSULATION CORKBOARD FLOATING SLAB WITH MOSAIC FLOORING



AMORIM

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## SOLUTION DESCRIPTION

Thermal and acoustic percussion noise insulation with Expanded Insulation Corkboard acting simultaneously as insulation against percussion noises and reducing thermal losses.

## TECHNICAL FEATURES

Isolamento a sons de percussão:

- Slab 140mm,  
Expanded Insulation Corkboard 20mm,  
Floating slab (screed) 50mm:  $\Delta L_w = 21$  dB.
- Slab 140mm,  
Expanded Insulation Corkboard 50mm,  
Floating slab (screed) 50mm:  $\Delta L_w = 22$  dB.
- Slab 140mm,  
Expanded Insulation Corkboard 20mm,  
Floating slab (screed) 70mm:  $\Delta L_w = 22$  dB.
- Slab 140mm,  
Expanded Insulation Corkboard 50mm,  
Floating slab (screed) 70mm:  $\Delta L_w = 25$  dB.

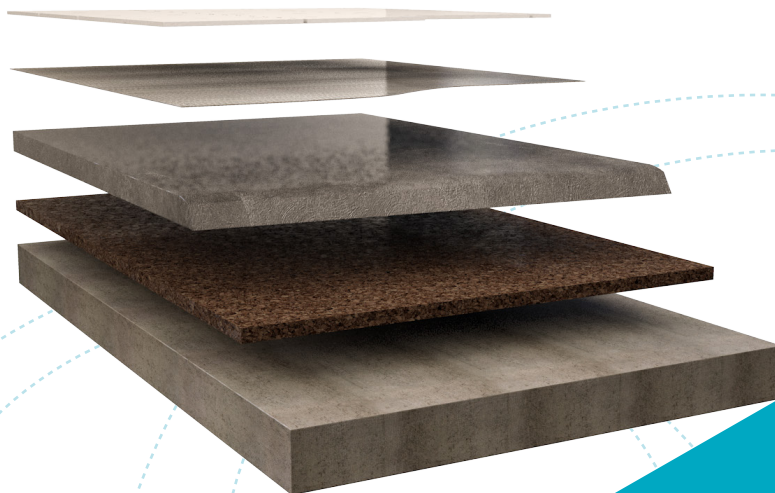
Density: 110 to 120 kg/m<sup>3</sup>

Thermal conductivity:  $\lambda = 0,037$  to  $0,040$  W/m°C

Compression resistance at 10%:  $\geq 100$  KPa

Excellent dimensional stability

Fire Resistance: Euroclasse E



## ENVIRONMENTAL FEATURES

- 100% NATURAL AND ADDITIVE-FREE INDUSTRIAL PROCESS
- DURABILITY OF 50 TO 60 YEARS WITHOUT LOSS OF CHARACTERISTICS
- TOTALLY RECYCLABLE
- SINK CO<sub>2</sub> (CARBON NEGATIVE)
- LOW EMBODIED ENERGY
- NO EMISSION OF HARMFUL COMPOUNDS FOR INDOOR AIR QUALITY

## PRODUCT DIMENSIONS

Standard: 1000x500x [10 to 320mm]

Other sizes: Upon Request

## RECOMMENDATIONS FOR APPLICATION

Apply the boards of Expanded Insulation Corkboard over the slab for later placement of the screed and final flooring



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