EXPANDED INSULATION CORKBOARD
DOUBLE WALL WITH INSULATION PARTIALLY FILLING THE CAVITY

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

53 db

Finishing
Coating
Brick
Expanded Insulation Corkboard
Exterior Wall

EXPANDED INSULATION CORKBOARD IS A SUSTAINABLE MATERIAL FOR A SUSTAINABLE INSULATION
AGLOMERADO DE CORTIÇA EXPANDIDA
DOUBLE WALL WITH INSULATION PARTIALLY FILLING THE CAVITY

SOLUTION DESCRIPTION
Thermal and acoustic insulation of double exterior walls with Expanded Insulation Corkboard, partially filling the cavity.

TECHNICAL FEATURES
Airborne Sound Insulation Index: \( R_w = 53 \text{ dB} \)
Density: 110 a 120 kg/m\(^3\)
Thermal conductivity: \( \lambda = 0.037 \text{ a 0.040 W/m°C} \)
Excellent thermal lag
Excellent soundproofing
Optimal behaviour in large temperature range: -180°C a 120°C
Bending Resistance: \( \geq 1.8 \times 10^4 \text{ kg/m}^2 \)
Compression resistance at 10%: \( \geq 100 \text{ KPa} \)
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 CO2 (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
Partially fill the cavity between double brick walls with Expanded Insulation Corkboard glued on the internal wall.