



AMORIM

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Barnacork

CARBON DIOXIDE SINK EFFECT of Expanded Insulation Corkboard

The Carbon Footprint of the Expanded Insulation Corkboard is -596,5 Kg CO₂ /m³

SUMMARY:

CARBON EMISSIONS	CARBON SINK	CARBON EFFECT
+ 16,5 Kg CO₂	- 613 Kg CO₂ (Sink)	- 596,5 Kg CO₂ (Sink)

Data:

Transport of Raw-material from forest to factory	Average distance to forest: 30 km Actual Load: 15 tonnes (85 m ³ / truck) Consumption: 30 l / 100 km Emission reference (diesel): 3098,2 Kg CO ₂ /tep Factory consumption: 355 Kg of Raw material / m ³ of Expanded Insulation Corkboard Result: 0,5 Kg CO₂ / m³ of Expanded Insulation Corkboard
Production	PEI = 45 kWh / m ³ Emission reference (electricity): 0,354 Kg CO ₂ / kWh (Endesa_2012) Result: 16 Kg CO₂ / m³ of Expanded Insulation Corkboard
Total emissions (transport + production)	Result: 16,50 Kg CO₂ / m³ of Expanded Insulation Corkboard

1,727 Kg CO₂e / kg Cork (PwC)	European Committee for Standardization – Draft EN 16449:2012 - Carbon Dioxide sequestration of wood products Result: 613 Kg CO₂ sink / m³ of Expanded Insulation Corkboard
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Productos de corcho. Cork products

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