about insulation cork
100% natural and fully recyclable. In a comparative life cycle analysis, expanded insulation corkboard offers significant advantages from an environmental standpoint. With virtually unlimited durability, it maintains all its features throughout the product’s working life.

**main features**

- **100% natural product**
- **100% recyclable**
- **Carbon negative**
- **Very low embodied energy**
- **Thermal, acoustic, and anti-vibration insulation simultaneously**
- **Promotes thermal lag**
- **Indoor quality A+**
- **High-dimensional stability**
- **Supports temperatures between -180°C and +120°C**
- **Good compression resistance**
- **Permeability to water vapor**
- **Practically unlimited durability**
- **Does not release toxic gases in case of fire**
- **Does not react to chemical agents**

**corticeira amorim**

Corticeira Amorim’s Insulation Cork Business Unit is dedicated to the production of 100% natural insulation solutions with excellent technical performance, specially designed to match the demands of sustainable construction.

Amorim is the world’s largest producer and supplier of cork, and enjoys a strong presence in more than 100 countries. Founded in 1870, the company soon became aware of the great potential of this natural raw material, and has progressively developed a portfolio of high value-added products and solutions, mainly targeted to the wine and the construction industries.

Amorim leads an exemplary economic and social development. By promoting the cyclical harvest of the cork tree, the company makes the cork oak forests viable, a natural and renewable resource, with endless environmental, economic and social benefits. Cork oak forests are natural CO₂ retainers, and in a context of increasing concern for the environment, it is important to note that cork is the only tree whose bark can regenerate after each harvest – leaving the tree unharmed.

Expanded insulation corkboard is obtained from cork oak, a unique type of cork that is periodically harvested from the upper branches of the cork oak tree. Once removed, the cork oak is stored at the factory yard.

Expanded insulation corkboard is manufactured by heating cork granules to super-heated steam at 350 ºC, the cork granules expand and release their own inner, a natural binder within the cork. No binders or chemicals are added, since the cork is agglomerated into expanded insulation corkboard, packed and shipped.

**some applications**

- **External walls: BIFCER EPS**
- **External walls: interior insulation**
- **Roofs: polished roof with corrugated roofing system**
- **Interior and exterior NAÏFACADE WAVE**
- **MDFACADE**

93% of energy consumed is obtained from biomass, which makes expanded insulation corkboard a very low embodied energy material.