1) **Favourable impact on cork forests:**
- Total area (Portugal) 735,000 hectares.
- The cork tree produce cork every nine years (a renewable raw material).
- Avoids soil desertification.
- Provides local employment in the forestry sector hence prevent population desertification.
- Important in maintaining biodiversity (unique in Europe).
- Portuguese forests (cork oaks) trap 5 million tons of CO2 every year.

2) **100% natural industrial process:**
- Only uses cork as a raw material.
- Without additives… agglomerate of its own resins (suberin).
- 90% of the energy consumed is biomass (a by-product of its own industrial processing).
- Any wastage from the industrial process is 100% reusable (cork and dust granules).

3) **Technical characteristics:**
- **Density:** 100/120Kg/m³
- **Thermal conductivity:** test results range between 0.036/0.038 W/mk.
- **Value declared for EU label:** 0.040 W/mk.
- **Resistance to compression at 10%:** declared 100 KPa (test results 110/120 KPa) – EN 826.
- **Perpendicular face resistance:** declared TR50 (test results 60 KPa) – EN 1607.
- **Level of humidity:** maximum 8% - EN 1215.
- **Water absorption:** declared 0.5 Kg/m² (maximum test result 0.3 kg /m²) – EN 1609.
- **Longitude tolerance:** between +/− 3 y 5mm – EN 822.
- ** Thickness tolerance:** between +/− 1 y 2 mm – EN 823.
- **Fire resistance:** Euro class “E” – EN 13501 – 1.
- **Durability:** practically unlimited.
- **Recyclable:** 100%.
- **Impact noise:** 20dBBLF - 40 dB MF - 30 dB HF.
- **Air noise:** 30dB BLF - 35dB MF - 34dB HF.
- **50mm Sound absorption:** 40% at 400Hz/50Hz to 3500%.
- **Sound speed on cork:** 500 m / second.
- **Sound absorption coefficient 500 CPS:** 0.33/0.35.
5) **Quality control:**
- Conforms to EN 13170 + EN 13172.
- Thermal conductivity tested by the independent laboratories: CSTB (France) and LNEC (Portugal).
- Industrial quality /Quality control by CSTB (twice annually).
- Other certifications (in addition to EN 13170): MPA Stuttgart – Otto- Graf-Institut (quality verification). ARGE KDR – Zertifikat no. - R0700144 "R" green 100% vegetal. ACERMI by CSTB, France (Industrial and quality control).

6) **In general:**
- High level of stability. ... coping with major thermal variations.
- Deals with temperatures of between: (-) 180ºC and (+) 120ºC.
- In case of fire, cork does not release toxic gases.
- Unlimited durability, maintaining its technical characteristics (official tests demonstrate between 45 and 50 years).
- Totally recyclable after utilisation... It may again be reused in construction applications.