

CONSTRUCTION MATERIALS

AMORIM
CORK
SOLUTIONS

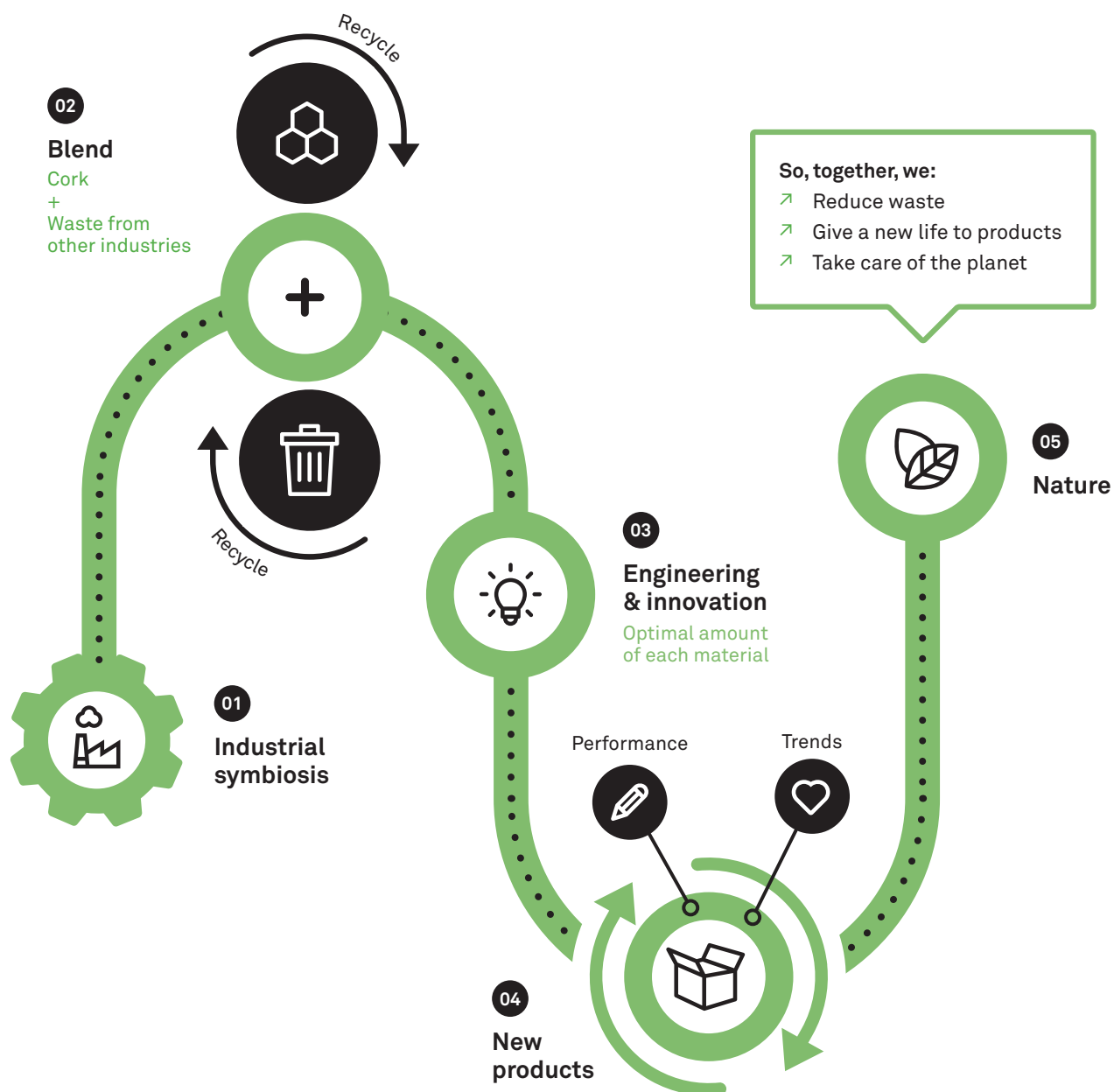


We have always been circular.

Amorim Cork Solutions - a Corticeira Amorim company - was founded in 1963 to add value to cork not used in the cork stoppers industry and to cork stoppers at the end of their life.

Since then, in the framework of our innovation culture, we have discovered and identified other materials from other industries (industrial symbiosis) to blend with cork and leverage its attributes.

For this purpose, we use different materials from the footwear, automotive and packaging industries. We give a new life to materials that otherwise would be wasted.



Construction Materials

Sustainable insulation boards for thermal and acoustic insulation

Particularly suited to application on walls (exterior, interior and cavity walls), expanded cork agglomerate and cork boards, using different materials, represent a solution offering ecological and sustainable construction with excellent thermal and acoustic insulation properties.

The low thermal conductivity of cork, combined with its ability to store heat and release it slowly, makes it a very efficient thermal insulator, capable of preventing overheating in summer and maintaining a pleasant temperature in the cold winter months.



The **Cork Inside** seal guarantees that this product contains, in its cork formulation, a 100% natural and recyclable material with unique technical properties.

Cork Inside formulations combine cork with other materials and are developed and rigorously tested by Amorim Cork Solutions' innovation and engineering teams. **Cork Inside** responds to stringent requirements and guarantees the performance required for its application.

CORK PURE INSULATION BOARDS



Dimension
500x500 mm



Thickness
10 mm



Quantity
4 boards
per pack

FEATURES

- Acoustic and thermal insulation boards
- Compatible with different types of wall coverings
- Easy to install
- Durable and eco-friendly
- Recycled and recyclable product

TECHNICAL INFORMATION

Density	> 225 kg/m ³
Tensile Strength	≥ 250 kPa
Compressibility	30–45%
Recovery after impact	≥ 75%

SOUND PROPERTIES

Absorption coefficient	$\alpha = 0.36$
------------------------	-----------------

Declare.

CORK MIX INSULATION BOARDS



Dimension
500x500 mm



Thickness
13 mm



Quantity
4 boards
per pack

FEATURES

- Acoustic and thermal insulation boards
- Compatible with different types of wall coverings
- Easy to install
- Durable and eco-friendly
- Recycled and recyclable product

TECHNICAL INFORMATION

Density	210–270 kg/m ³
Tensile Strength	≥ 400 kPa
Compressibility	20–40%
Recovery after impact	≥ 75%

CORK LIGHT INSULATION BOARDS



Dimension
500x500 mm



Thickness
8 mm



Quantity
4 boards
per pack

FEATURES

- Acoustic and thermal insulation boards
- Compatible with different types of wall coverings
- Easy to install
- Durable and eco-friendly
- Recycled and recyclable product

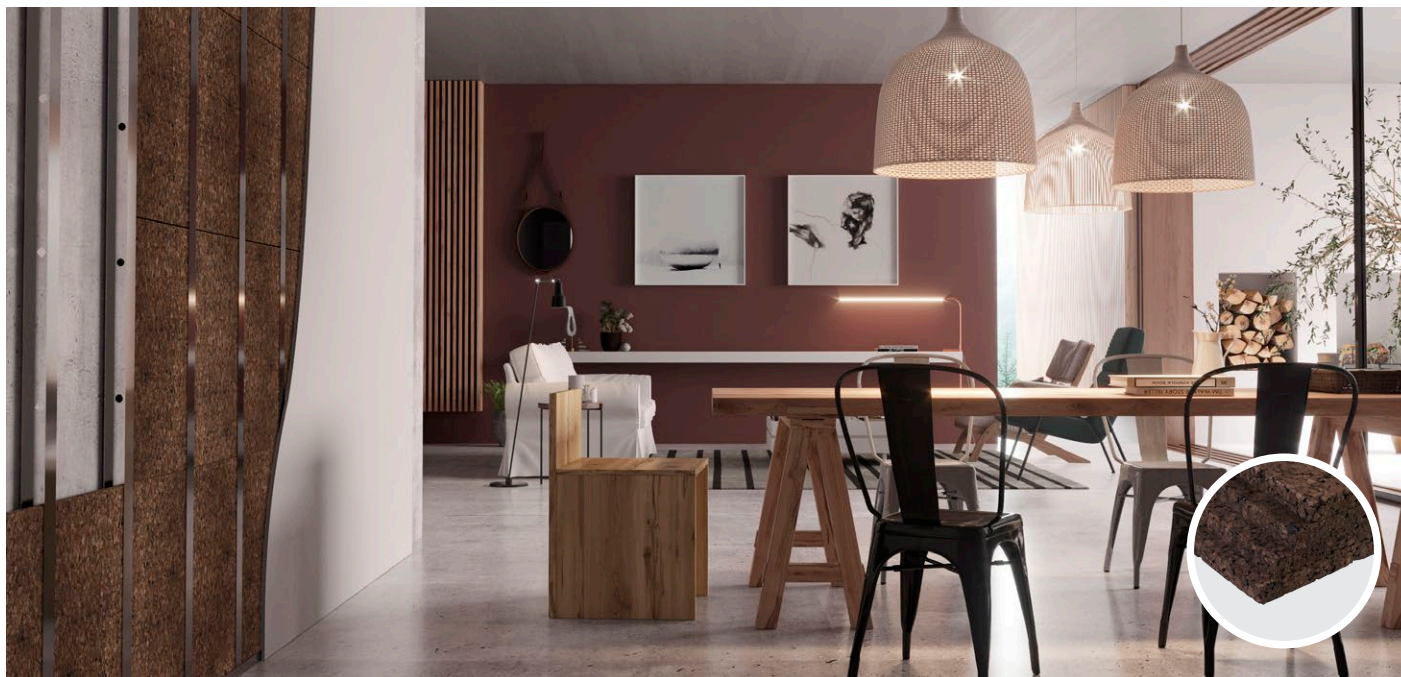
TECHNICAL INFORMATION

Density	120–150 kg/m ³
Tensile Strength	≥ 200 kPa
Compressibility	45–60%
Recovery after impact	≥ 70%

SOUND PROPERTIES

Absorption coefficient	$\alpha = 0.25$
------------------------	-----------------

AGGLOMERATED EXPANDED CORK INSULATION BOARDS



Dimension
1000x500 mm



Thickness
20, 30 and 40 mm



Quantity
4 boards
per pack

FEATURES

- Natural expanded cork
- Excellent thermal and acoustic performance
- Durability of 50 to 60 years without loss of characteristics
- Recycled and recyclable product
- 100% natural and additive-free industrial process
- Totally recyclable
- CO₂ sink (Carbon Negative)
- Low embodied energy
- No emission of harmful compounds for indoor air quality

TECHNICAL INFORMATION

Airborne sound insulation index	Rw = 50–55 dB
Density	110–120 kg/m ³
Thermal conductivity	λ= 0.037–0.040 W/m°C
Bending Resistance	≥ 1.8 x 10 ⁴ kg/m ²
Compression resistance at 10 %	≥ 100 kPa
Dimensional stability	Excellent
Fire Resistance	Euroclass E

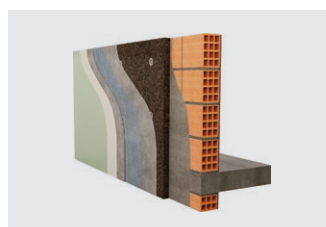
APPLICATIONS



➤ Sloping roof with under-tile



➤ Simple partition with insulation



➤ ETICS



➤ Traditional underfloor heating

AMORIM CORK SOLUTIONS



AMORIM CORK SOLUTIONS

R. Comendador Américo Ferreira Amorim, 260
4535-186, Mozelos VFR, Portugal
T. +351 22 747 5300
F. +351 22 747 5301
E. mail.acs@amorim.com

AMORIM CORK SOLUTIONS USA

26112 110th Street
Trevor, WI 53179, USA
T. +1 262 862 2311
F. +1 262 862 2500
E. mail.acs.usa@amorim.com

www.amorimcorksolutions.com

CTP-00057/2 | NOV 2024 | EN

The data provided in this brochure refers to typical figures. This information is not intended to be used as a purchasing specification and does not imply suitability for use in any specific application. Failure to select the proper product may result in either product damage or personal injury. Please contact Amorim Cork Solutions regarding recommendations for specific applications. Amorim Cork Solutions expressly disclaims all warranties, including any implied warranties of merchantability or of fitness for any particular purpose. Amorim Cork Solutions shall not be liable for any indirect, special, incidental, consequential or punitive damages as a result of using the information listed in this brochure, any of its material specification sheets, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).

