




CORKSRIBAS
www.corksribas.pt
PRODUCT FROM PORTUGAL

ACOUSTIC
silentcork

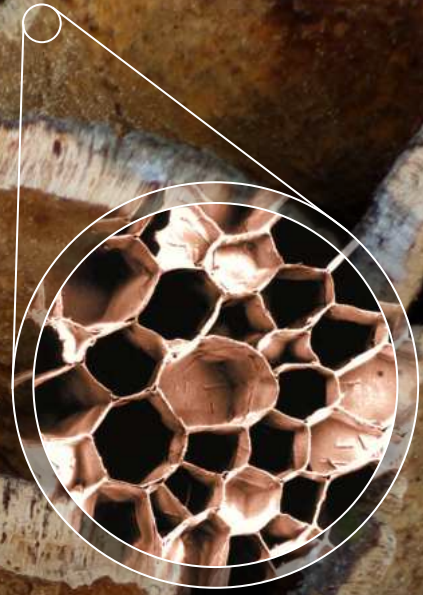
CORK
**UNDERLAYMENT
SOLUTIONS**

cork properties

Cork is harvested from the renewable bark of the cork oak tree and is a 100% natural product.

The numerous qualities of cork can only be understood by cellular structure. A cubic centimeter of cork contains nearly 40 million cells, arranged in rows perpendicular to the cork oak trunk.

All the cells are filled with a mixture of gases similar to air. Around 60% of a plank of cork is composed of gaseous elements, which explains its extraordinary lightness. The combination of these small cushions of air make cork so remarkably compressible. At the same time, *suberin* makes the walls of the cork cells impermeable and therefore airtight. The gas they contain cannot escape, which is the reason for the elasticity of the tissue and its low thermal conductivity.



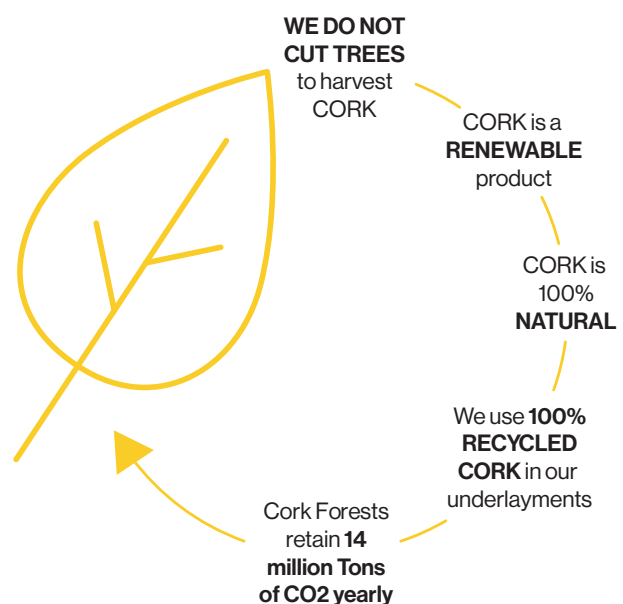
silent cork underlay features

Silent Cork Underlay are made out of natural cork – an excellent raw material suitable to be installed under almost any floor covering with significant improvement at thermic and acoustic levels.

When compared to synthetic materials, cork becomes the right choice when looking for a solution that guarantees a viable performance but also the welfare of future generations.

Silent Cork Underlay provides more comfort, protection and longevity to the final floor.

- **Easy to install**
- **Improve acoustic and thermal comfort**
- **Maximize the service life of joining system**
- **Reduce subfloor imperfections**
- **Avoid the diffusion of vapor**
- **Increase floor durability**
- **Prevent cracks and marks on the floor**



Type of Floor	CORKSRIBAS Underlay Recommendation	Main Feature
Laminate	CR-108 Roll	100% Natural and Eco-Friendly Solution; High-Durability and Walking Comfort; Suitable for heated floors.
	CR-FLEX Roll	High Durability and Great Performance; Excellent acoustic performance and load absorption capacity; Suitable for heated-floors, Anti-slip.
	CR-PE Roll	100% Natural Agglomerated Cork; High-Durability and Walking Comfort; Includes a moisture barrier for total protection.
	CR 109 Roll	100% Natural and Eco-Friendly Solution; High-Durability and Walking Comfort; Suitable for heated floors.
	CR PU Roll	100% Natural Agglomerated Cork; 100% Recycled PU; High-Durability and Walking Comfort; Reduces sound transmission and impact sound, such as footsteps; Long-term Resilience.
	PE WAVE Roll	100% Natural Agglomerated Cork; High-Durability and Walking Comfort; Includes a moisture barrier for total protection; Anti-microbial protection.
	CR PLUS Roll	100% Natural Agglomerated Cork; Additional thermal insulation; Includes a moisture barrier for total protection; High-Durability and Walking Comfort.
Carpets	CR-12J Roll	100% Natural and Eco-Friendly Solution; Floor leveling;
LVT/LVP	CR-FLEX HD Roll	Great protection of LVT Flooring from damage to the click-system joints; Maximize the service level of the joining systems connecting the laminate boards; Anti-slip underlay with long-term physical properties and excellent load absorption capacity; Excellent for heated floors.
Ceramic	CR-108 Roll	100% Natural and Eco-Friendly Solution; High-Durability and Walking Comfort; Suitable for heated floors.
	CR-015 Roll	Excellent compensating ability on uneven surfaces and made to prevent crack suppression on ceramic; Provides cushioning underfoot as well as reducing sound transmission and impact sound, such as footsteps; Anti-slip underlay with excellent load absorption capacity; Suitable for heated floors.
Massive hardwood and wooden parquet	CR-FLEX Roll	High Durability and Great Performance; Excellent acoustic performance and load absorption capacity. Suitable for heated-floors, Anti-slip.
	CR-PE WAVE Roll	100% Natural Agglomerated Cork; High-Durability and Walking Comfort; Includes a moisture barrier for total protection; Anti-microbial protection.
	CR-PE Roll	100% Natural Agglomerated Cork; High-Durability and Walking Comfort; Includes a moisture barrier for total protection.
	CR-PLUS Roll	100% Natural Agglomerated Cork; Additional thermal insulation; Includes a moisture barrier for total protection; High-Durability and Walking Comfort.
	CR-015 Roll	Excellent compensating ability on uneven surfaces; Provides cushioning underfoot; Reduces sound transmission and impact sound, such as footsteps; Anti-slip underlay with excellent load absorption capacity; Suitable for heated floors.
	CR 105 Sheet	100% Natural and Eco-Friendly Solution; High-Durability and Walking Comfort; Includes a moisture barrier for total protection.
	CR 108 Acoustic	100% Natural and Eco-Friendly Solution; High-Durability and Walking Comfort; Higher compressibility and floor leveling; Suitable for heated floors.
Engineering flooring	CR PE Roll	100% Natural Agglomerated Cork; High-Durability and Walking Comfort; Includes a moisture barrier for total protection.
	CR PLUS Roll	100% Natural Agglomerated Cork; Additional thermal insulation; Includes a moisture barrier for total protection; High-Durability and Walking Comfort;
	PE WAVE Roll	100% Natural Agglomerated Cork; High-Durability and Walking Comfort; Includes a moisture barrier for total protection; Anti-microbial protection.

CR 108 Roll

Premium Cork Underlay

Ideal for laminate flooring





Shape Roll **Dimensions** 1m x 10m 40" x 33' **Thickness** 2mm - 10mm 5/64" – 25/64" **10 M²**


Description Agglomerated Composition Cork produced with pure 100% natural granulated cork and a polyurethane binder


Specific Weight	145-220 kg/m ³	ISO 7322
Tensile Strength	≥ 200 kPa	ISO 7322
Compression	20% - 50%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ °K/W	ISO 7322





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Thermal Insulator
- 


Resilience, Compressibility and Recovery
- 

Hypoallergenic
- 

Excellent Acoustic Insulation
- 

Walking Comfort
- 

Easy to Maintain
- 

100% Natural, Reusable and Recyclable
- 

Resistance and Flexibility

CR 109 Roll

Eco Cork Underlay

Ideal for laminate flooring



Shape Roll **Dimensions** 1m x 10m 40" x 33' **Thickness** 2mm - 10mm 5/64" - 25/64" **10 M²**

Description Agglomerated Composition Cork produced with 100% Natural granulated cork mix and a polyurethane binder

Specific Weight	210-280 kg/m ³	ISO 7322
Tensile Strength	≥ 200 kPa	ISO 7322
Compression	20% - 45%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² °K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR 12J Fine Cork Underlay

Pure Cork Underlay

Ideal for carpet



Shape Roll and Sheet **Dimensions** 1m x 10m 40" x 33' **Thickness** 2mm – 10mm 5/64" – 25/64" **10 M²**

Description Agglomerated Composition Cork produced with fine 100% natural cork granules and a polyurethane binder

Specific Weight	175-200 kg/m ³	ISO 7322
Tensile Strength	≥ 300 kPa	ISO 7322
Compression	30% - 50%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	33 dB	iSO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² °K/W	ISO 7322



- Thermal Insulator
- Resilience, Compressibility and Recovery
- Hypoallergenic
- Excellent Acoustic Insulation
- Walking Comfort
- Easy to Maintain
- 100% Natural, Reusable and Recyclable
- Resistance and Flexibility

CR PE Roll

Supreme Cork Underlay

Ideal for laminated and engineered flooring



Shape Roll

Dimensions 1m x 10m 40" x 33'

Thickness 2mm 5/64"

10 M²

Description Agglomerated Cork Roll Underlay with included PE Moisture Barrier for impact noise and thermal insulation of floating floors. Produced with pure granulated cork and a polyurethane binder

Specific Weight	150-220 kg/m ³	ISO 7322
Tensile Strength	≥ 200kPa	ISO 7322
Compression	30% - 50%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² °K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR PE WAVE Roll

Supreme Cork Underlay

Ideal for laminated and engineered flooring



Wave profile that improves air circulation and acoustics

Moisture Barrier

Shape Roll

Dimensions 1m x 10m 40" x 33'

Thickness 2.5mm 3/32"

10 M²

Description Agglomerated Cork Roll Underlay Including wave profile for increased acoustical results and included moisture and vapor barrier for impact noise and thermal insulation of floating floors

Specific Weight	145-220 kg/m ³	ISO 7322
Tensile Strength	≥ 200 kPa	ISO 7322
Compression	30% - 50%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² /K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR PLUS Roll

Supreme Cork Underlay

Ideal for laminated and engineered flooring



PE Alu Foil and Moisture Barrier

Shape Roll

Dimensions 1m x 10m 40" x 33'

Thickness 2mm 5/64"

10 M²

Description Agglomerated Cork Roll Underlay with included PE Alu Foil for thermal insulation and impact noise of floating floors

Specific Weight	145-220 kg/m ³	ISO 7322
Tensile Strength	≥ 200kPa	ISO 7322
Compression	30% - 50%	ISO 7322
Recovery	> 70%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.0437 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR 015 Roll

Rubbercork Underlay

Ideal for ceramic



Shape Roll **Dimensions** 1m x 10m 40" x 33' **Thickness** 2mm - 8mm 5/64" – 5/16" **10 M²**

Description Consists of pure natural cork granules, mixed with recycled rubber and bound together with a polymeric binder

Specific Weight	≥ 600 kg/m ³	ASTM F1315
Tensile Strength	Transversal: ≥ 0.49 kPa Longitudinal: ≥ 0.78 kPa	ASTM F152
Compression	10% - 30%	ASTM F36
Recovery	≥ 73%	ASTM F36
Noise Reduction	20 dB	NP EN ISO 717-2:2013
Thermal Conductivity	0.089 W/ m ² K	ISO 8301
Thermal Resistance	-	-



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR PU Roll

Natural Cork & PU Granules

Ideal for laminated flooring



100% Natural Cork and
100% Recycled PU

Shape Roll

Dimensions 1m x 10m 40" x 33'

Thickness 2mm 5/64"

10 M²

Description Agglomerated Cork Rolls produced with 100% Natural granulated cork and PU Granules bound together with a polyurethane binder

Specific Weight	230-300 kg/m ³	ISO 7322
Tensile Strength	≥ 100kPa	ISO 7322
Compression	40% - 65%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	19 dB	NP EN ISO 717-2:2009
Thermal Conductivity	0.055 W/m ² K	EN 12664
Thermal Resistance	-	-



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR FLEX Roll

EVA Cork Underlay

Ideal for laminated flooring



Shape Roll

Dimensions 1m x 10m 40" x 33'

Thickness 2mm 5/64"

10 M²

Description Agglomerated Composition Cork produced with pure granulated cork and recycled EVA Granules bound together with a polyurethane binder

Specific Weight	> 240 kg/m ³	ISO 7322
Tensile Strength	200 kPa	ISO 7322
Compression	15% - 40%	ISO 7322
Recovery	> 60%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.0637 W/m ² K	EN 12664
Thermal Resistance	0.3 M ₂ °K/W	EN 12664



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable

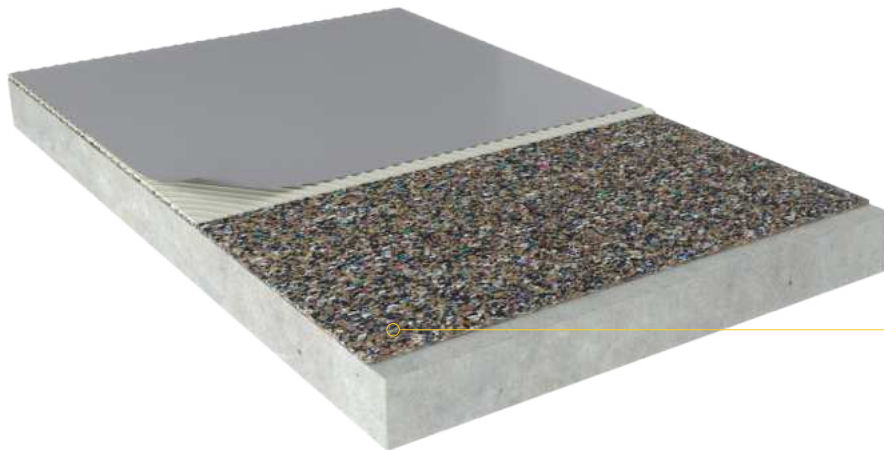


Resistance and Flexibility

CR FLEX HD Roll

EVA Cork Underlay

Ideal for LVT flooring



Natural Cork and Recycled EVA



Non Bleeding



Protect Locking System



Compatible for Underfloor Heating

Shape Roll

Dimensions 1m x 15m 40" x 49'

Thickness 1.6mm 1/16"

10 M²

Description Agglomerated Composition Cork produced with pure granulated cork and a polyurethane binder.

Specific Weight	530-655 kg/m ³	ASTM 7 1315
Tensile Strength	Longitudinal: ≥ 0.8 kPa Transversal: ≥ 0.4 kPa	ASTM 7 152
Compression	10% - 20%	ASTM F36
Recovery	70%	ASTM F36
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.1036 W/m ² K	EN 12664
Thermal Resistance	0.23 M ₂ °K/W	EN 12664



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR 105 Sheet

Pure Cork Underlay Light Density

Ideal for massive hardwood and wooden parquet



Shape Sheet

Dimensions 915mm x 610mm 36" x 24"
1000mm x 500mm 40" x 20"

Thickness 2mm up 5/64" up

Description Agglomerated Composition Cork produced with pure granulated cork and a polyurethane binder

Specific Weight	145-180 kg/m ³	ISO 7322
Tensile Strength	≥ 200kPa	ISO 7322
Compression	40% - 60%	ISO 7322
Recovery	≥ 75%	ISO 7322
Noise Reduction	19 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² °K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR 108 Acoustic Sheet

Pure Cork Underlay Medium Density

Ideal for massive hardwood and wooden parquet



Shape Sheet

Dimensions 940mm x 640mm 37" x 25"
1000mm x 500mm 40" x 20"

Thickness 2mm up 5/64" up

Description Agglomerated Composition Cork produced with pure granulated cork and a polyurethane binder

Specific Weight	165-225 kg/m ³	ISO 7322
Tensile Strength	≥ 300kPa	ISO 7322
Compression	25% - 50%	ISO 7322
Recovery	≥ 70%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² °K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

CR 109 Sheet

Pure Cork Underlay High Density

Ideal for laminated flooring



Shape Sheet

Dimensions 915mm x 610mm 36" x 24"
1000mm x 500mm 40" x 20"

Thickness 2mm up 5/64" up

Description Agglomerated Composition Cork produced with 100% Natural granulated cork mix and a polyurethane binder

Specific Weight	240-300 kg/m ³	ISO 7322
Tensile Strength	≥ 300kPa	ISO 7322
Compression	15% - 30%	ISO 7322
Recovery	≥ 65%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² K/W	ISO 7322



- Thermal Insulator
- Resilience, Compressibility and Recovery
- Hypoallergenic
- Excellent Acoustic Insulation
- Walking Comfort
- Easy to Maintain
- 100% Natural, Reusable and Recyclable
- Resistance and Flexibility

CR 108 Grid

Pure Cork Professional Underlay

Ideal for laminated flooring



Shape Sheet

Dimensions 1000mm x 500mm 40" x 20"

Thickness 3mm 1/8"

Description Agglomerated Composition Cork produced with fine granulated cork and a polyurethane binder with technical perforation

Specific Weight	200-275 kg/m ³	ISO 7322
Tensile Strength	≥ 400 kPa	ISO 7322
Compression	20% - 40%	ISO 7322
Recovery	≥ 75%	ISO 7322
Noise Reduction	Up to 20 dB	ISO 140 & 717
Thermal Conductivity	0.038 W/m ² K	ISO 8301
Thermal Resistance	0.053 M ₂ ² °K/W	ISO 7322



Thermal Insulator



Resilience, Compressibility and Recovery



Hypoallergenic



Excellent Acoustic Insulation



Walking Comfort



Easy to Maintain



100% Natural, Reusable and Recyclable



Resistance and Flexibility

Technical Comparison

	CORK	PUR	PE Foam	Rubber	XPS
Impact Sound Insulation	●●●●●	●●○○○○	●●●○○○	●●●○○○	●●●○○○
Thermal Comfort	●●●●●	●●●○○○	●●●○○○	●●●○○○	●●●○○○
Floor Durability	●●●●○	●●●○○○	●●●○○○	●●●○○○	●●●○○○
Click Protection	●●●●○	●●○○○○	●●○○○○	●●●○○○	●●○○○○
Compressibility	●●●●○	●●○○○○	●●○○○○	●●●○○○	●●○○○○
Material Recovery	●●●●○	●●○○○○	●●○○○○	●●●○○○	●●○○○○
ECO Friendly Solution	●●●●●	●●○○○○	●●○○○○	●●○○○○	●●○○○○

	CORK	CORK + RUBBER	CORK + EVA	CORK + RECYCLED EVA
Impact Sound Insulation	26dB	19dB	18dB	21dB
Thermal Comfort (m ² °K/W)	0.079	0.037	0.035	0.015
Floor Durability	●●●●●	●●●●●	●●●●●	●●●●●
Click Protection	●●●●○	●●●●○	●●●●○	●●●●●
Compressibility	●●●●○	●●●●●	●●●●○	●●●●●
Material Recovery	●●●●●	●●●●●	●●●●○	●●●●○
ECO Friendly Solution	●●●●●	●●●●●	●●●●●	●●●●●

Other sizes or specially tailored specifications can be developed to your specific requirements. Valuable information: storage - the product should be kept at a temperature of 20°C ± 30°C and an Environmental Humidity of 60% ± 5%.; Environmental Health and Safety - if properly used, this product is not known to be environmental harmful. There are no special health danger when handling the product, however, powder filter mask and protection glasses should be used in the case of swing cut, sanding operation, etc. Variations in color, size and grain occur in all natural materials.



Rua Quinta do Valado, 390 (P.O. Box 22) | 4536-907 S. Paio de Oleiros | Portugal
tel.: +351 227 644 323 / +351 227 644 323 | fax: +351 227 642 959 / +351 227 457 913
e-mail: global@corksribas.pt | website: www.corksribas.pt