Q

SUSTAINABLE PRODUCT
PVC FREE

WIS≡  Cork Flooring

# Being inspired by
# Nature is the beginning.

Amorim, the world market leader of flooring with cork incorporated, defines it's mission as a continuous effort to add sustainable value to cork, and as a result to preserve the cork oak forest in a unique example of green economy.

Aligned with those values and inspired by Nature, Amorim has been producing flooring with a promise to provide high quality and sustainable flooring products, ensuring a higher quality of life while preserving and protecting the environment.

AMORIM
FLOORING & WALL

QUANTUM

# Climate Positive

With respect for nature and wellbeing on its core values, Amorim has reached a remarkable carbon negative footprint in its entire process, helping to reduce the Global Warming Potential.

Amorim floors are the purest outcome of a Circular Economy model that aims to turn waste and used cork stoppers into a valuable and sustainable product.

**Born from Circular Economy**

# Sustainable by heart

## Environment

No trees are damaged or cut during harvesting; The cork oak forest retains 5x more $CO_2$ from the atmosphere helping to reduce Global Warming Potential (GWP).

## Economy

The cork oak forest creates jobs in the cork industry and in other related industries.

## Social Impact

The cork industry promotes settlement in areas at risk of desertification; Cork harvesting is an activity that crosses generations.

# Green production process

## Biomass

The dust from the production lines is vacuumed and conducted to silos, where it is burned to generate energy through biomass. 65% of our energy comes from cork dust.

## Reincorporation of Waste

Any cork waste and surplus is collected, granulated and reincorporated in the production process, originating a lower carbon footprint.

## Close Distances

Factories are located within few kilometres from the forests.

# Sustainable products

## Indoor Air Quality

Amorim has several Indoor Air Quality certificates, that certify that no harmful particles are present in our flooring products living up to our promise to provide wellbeing in every room.

## Environmental Performance

Respect for nature is at the core of our existence, therefore making sure our processes and products respect the highest standards in environment. Protection is embedded in our culture.

## Sustainable Buildings

All of our products contribute with points to LEED and BREEAM certifications - the American and European certifications for sustainable construction and projects.

# From nature, to your special space.

By using a unique engineered multilayer structure, which combines state-of-the art technology with the exclusive natural properties of cork, a higher standard in flooring is achieved, providing the perfect match between beauty, comfort and durability.

**Silence.**

Reduces the walking sound up to 53%.

## Indoor Air Quality.

Compliance with the strictest indoor air quality standards after being tested on over 2000 potential chemicals.

## Impact Resistance.

Highest shock absorbing performance.

## Natural Thermal Insulation.

Optimal floor temperature all year round.

## Waterproof.

Easy to clean and mop friendly.

# WIS■

WISE by Amorim is a Climate Positive, non PVC product. With a carbon negative footprint, WISE is based on cork, a 100% sustainable material. The perfect match between your wellbeing and respect for nature

**CLIMATE POSITIVE**

Lane Antique White

# The wisest choice.
## Cork Rigid Core (CRC)

**CRC**

CORK RIGID CORE

NON PVC PROTECTIVE LAYER (Class of use 33)

DECORATIVE VISUAL (Wood or Cork)

COMFORT + (Cork inlay)

NON PVC CORK RIGID CORE

ANGLE/ANGLE INSTALLATION SYSTEM

COMFORT + (Integrated cork underlay)
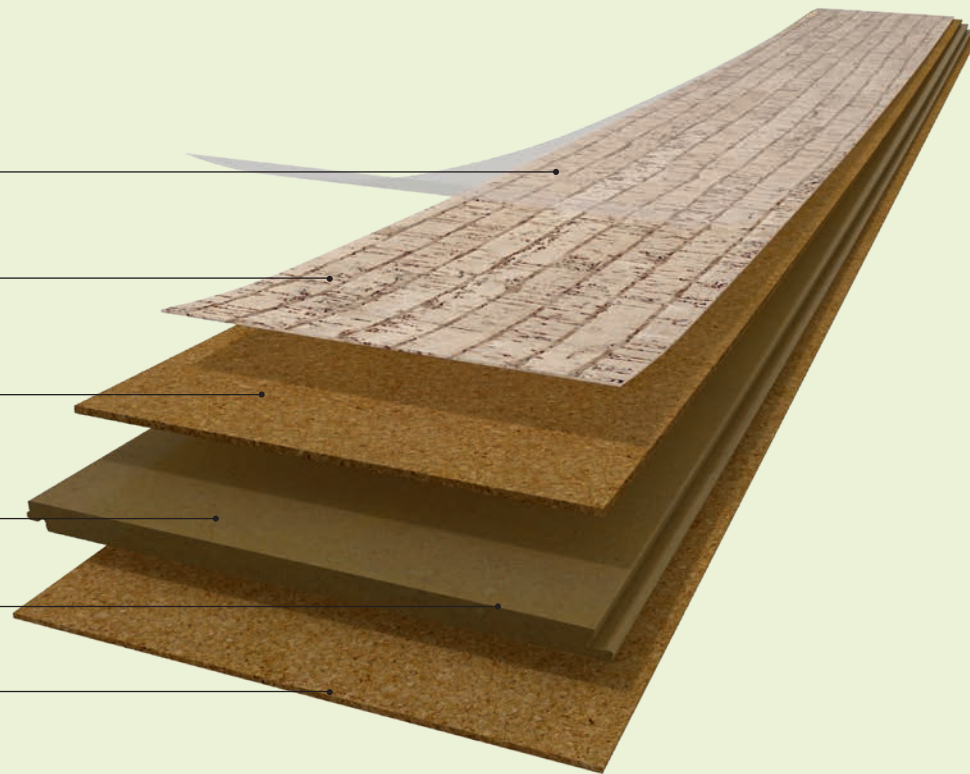
# The wisest choice.
## Cork Rigid Core (CRC)

**Reinforced dimension stability**

**Minimum subfloor preparation**

**Cork underlayment included for extra performance**

**Superior wear resistance**

(suitable for commercial areas)

**Universal installation system**

Fashionable Grafite

Identity Moonlight

# The wisest choice.
## A Seamless Visual

**Installations in large areas without strips***

(up to 300m² without transition strips)

**No expansion joints in between rooms***

**SUSTAINABLE PRODUCT** — PVC FREE

Amorim represents a unique balance between the creation of innovative products and the protection of the environment, combining state-of-the-art technology with the amazing natural properties of cork.

Originals Harmony

WIS≡ Cork & Wood

# Cork.

## Formats

1225 x 190 x 7mm





Contempo Ivory

# Technical Solution

HRT NON PVC PROTECTIVE SURFACE (Class of use 33)
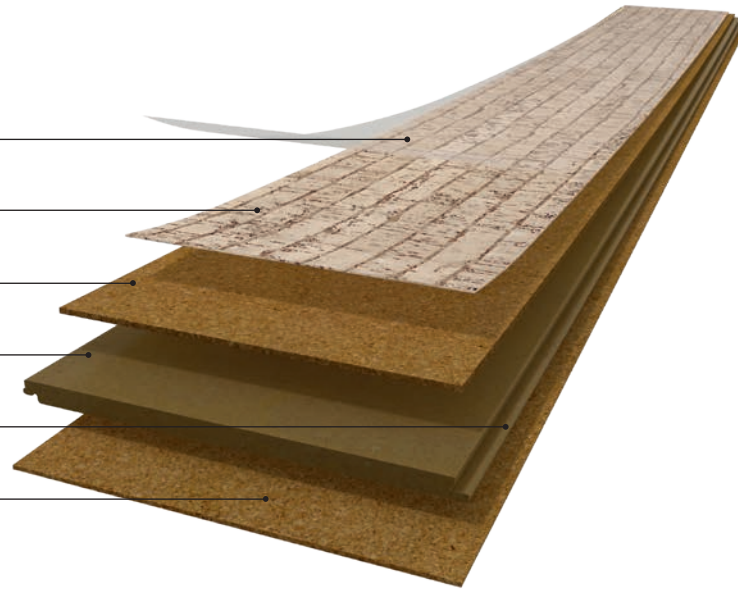
NATURAL CORK VENEER

COMFORT + (Cork inlay)

NON PVC CORK RIGID CORE

ANGLE/ANGLE INSTALLATION SYSTEM

COMFORT + (Integrated cork underlay)

Floating

4 side micro bevel

# Finishing & Warranty

## HRT - High Resistance Technology

High elastic resin with nanoparticles, resulting on a natural and flexible surface with a superior wear resistance. HRT is micro scratch resistant, prevents color shading and provides a warm and pleasant feeling on touch. HRT is produced with environmentally sustainable materials.

**HRT**
HIGH RESISTANT TECHNOLOGY

23

LIMITED LIFETIME WARRANTY

33

WARRANTY 10 YEARS

The product samples images in this collection were cut from a larger piece. Decor and shade may vary slightly.
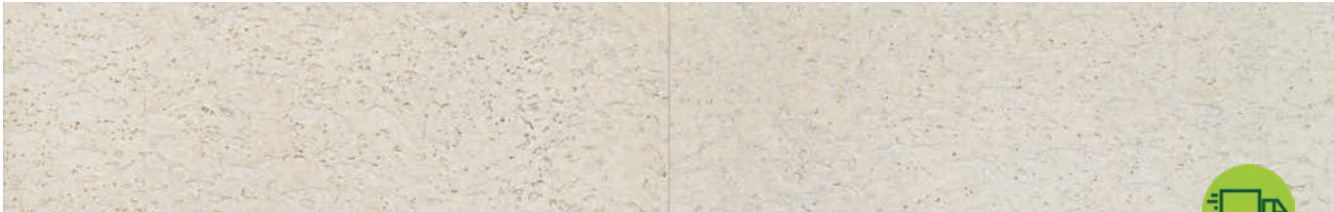
## Identity Moonlight

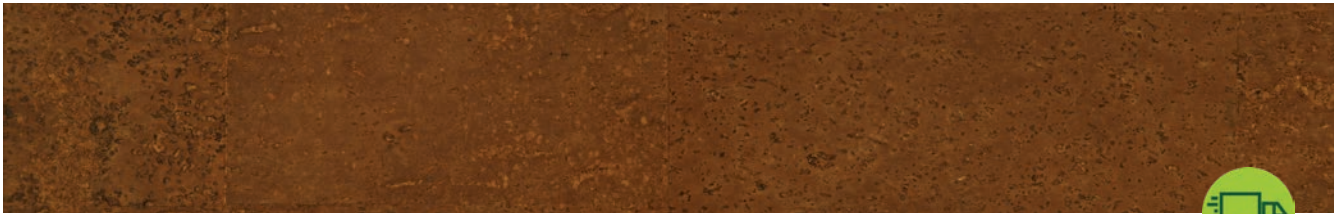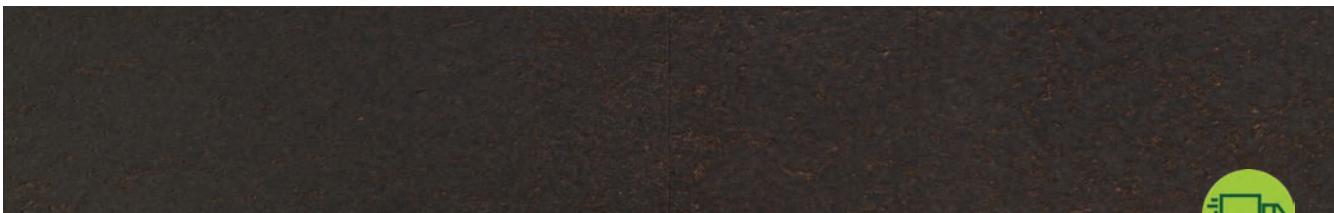AA2N001

## Identity Chestnut

AA3G001

## Identity Nightshade

AA2L001

## Originals Harmony
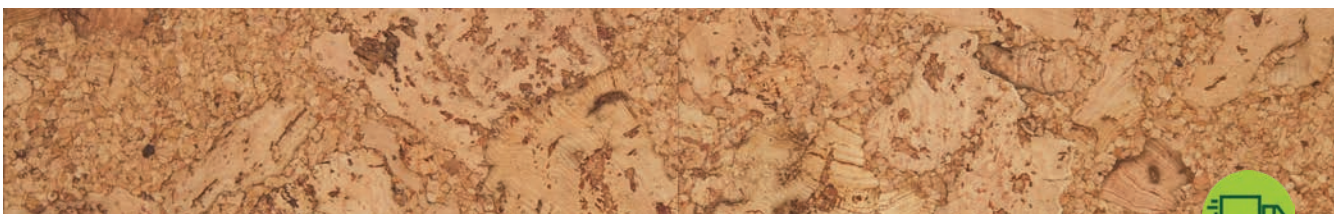
AA8F001

## Originals Shell

AA8E001
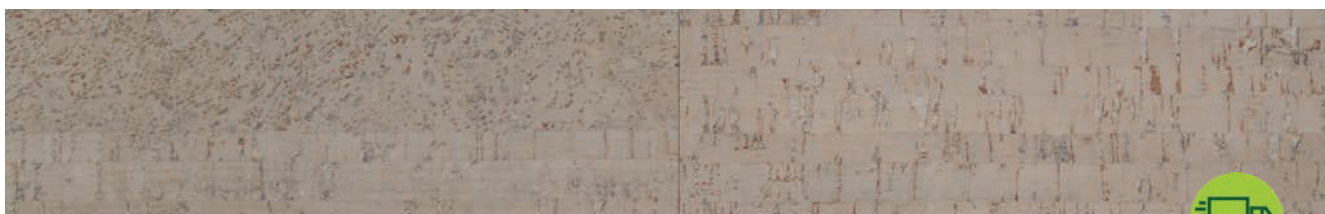
## Lane Antique White

AA8J001

## Traces Jasmin

AA7Z001

## Traces Natural

AA8B001

## Fashionable Cement

AA8L001

## Fashionable Grafite

AA8M001

# Wood.

## Formats

1225 x 190 x 7.3mm





Natural Light Oak

# Technical Solution

SRT NON PVC PROTECTIVE WEAR LAYER (Class of use 33)

WOOD PRINTED FILM VISUAL

COMFORT + (Cork inlay)

NON PVC CORK RIGID CORE

ANGLE / ANGLE INSTALLATION SYSTEM

COMFORT + (Integrated cork underlay)

Floating

4 side micro bevel

# Finishing & Warranty

## SRT - Superior Resistance Technology

**SRT**
SUPERIOR RESISTANT TECHNOLOGY

SRT – SUPERIOR RESISTANCE TECHNOLOGY
Non-PVC Superior resistance technology wear layer developed to adapt to the multilayered construction with excellent behavior for heavy commercial traffic. Provides a superior sense of comfort, high mechanical strength and stain resistance.

23

LIMITED LIFETIME WARRANTY

33

WARRANTY 10 YEARS

The product samples images in this collection were cut from a larger piece. Decor and shade may vary slightly.

**Contempo Copper**

AEUB001

**Contempo Loft**

AEUA001

Quick Ship

**Beach House**

AEUR001

Quick Ship

**Treehouse**

AEUP001

Quick Ship

**Farmhouse**

AEUQ001

Quick Ship

## Natural Light Oak

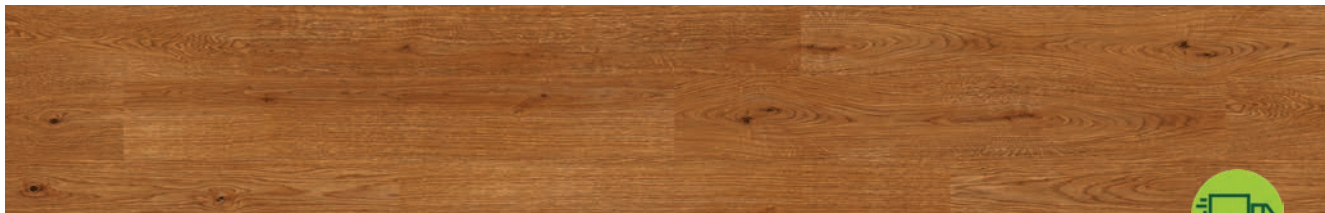AEUM001

Quick Ship

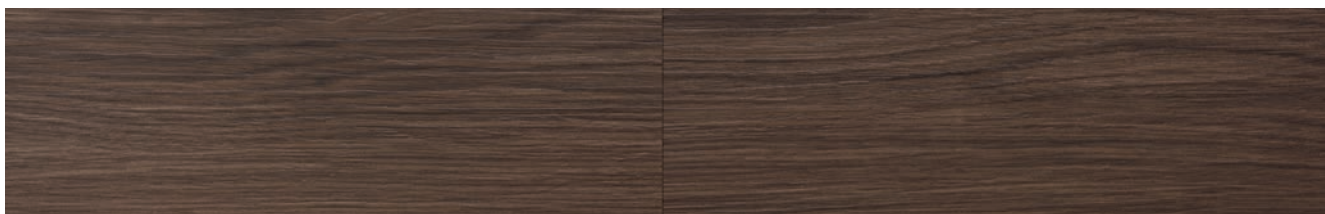## Natural Dark Oak

AEUK001

## Chocolate Brown Oak

AEUU001

Quick Ship

## Dark Forest Oak

AEUT001

## Barnwood

AEUW001

Quick Ship

# Maintenance & Care

**To keep your floor spotless, Quantum recommends Bona products. Bona has developed a special product range for today's floor owners, meeting demands of simplicity, health and safety. Their products are designed to make the caring of your floor as easy as possible.**

## Bona Wood Floor Spray Mop

Bona premium floor mops are durable, effective and easy to use. The Wood Floor Spray Mop enables you to clean and maintain your wood floor in a sweep. Ergonomic and simple to use. The Spray Mop is quick to assemble and refill with the specially developed Bona floor cleaner cartridge. Forget filling up a bucket and adding concentrate - just spray and clean.

**Optimal care for an everlasting beauty.**

Traces Jasmin

# Technical Data Sheet

| | Standard | Unit | Value (Cork HRT) | Value (Wood SRT) | Value (Wood HRT) |
|---|---|---|---|---|---|
| Level of use Domestic | ISO 10874 | Class | Class 23 | Class 23 | Class 23 |
| Level of use Commercial | ISO 10874 | Class | Class 33 | Class 33 | Class 33 |
| **General properties – EN 16511** | | | | | |
| Thickness | ISO 24337 | mm | nominal +– 0,25 | nominal +– 0,25 | nominal +– 0,25 |
| Length | ISO 24337 | $\Delta l \leq 0,5$ mm | nominal value 1225 mm | nominal value 1225 mm | nominal value 1225 mm |
| Width | ISO 24337 | $\Delta w avg \leq 0,10mm$, relative to nominal value wmax – wmin $\leq 0,20$ mm | nominal value 190 mm | nominal value 190 mm | nominal value 190 mm |
| Squareness | ISO 24337 | qmax (mm) | $\leq 0,20$ | $\leq 0,20$ | $\leq 0,20$ |
| Straightness | ISO 24337 | smax (mm/m) | $\leq 0,30$ | $\leq 0,30$ | $\leq 0,30$ |
| Openings | ISO 24337 | mm | $\leq 0,20$ | $\leq 0,20$ | $\leq 0,20$ |
| Height difference | ISO 24337 | mm | $\leq 0,15$ | $\leq 0,15$ | $\leq 0,15$ |
| Flatness of the panel (Length-concave/convex) | ISO 24337 | % | $\leq 0,50 / \leq 1,00$ | $\leq 0,50 / \leq 1,00$ | $\leq 0,50 / \leq 1,00$ |
| Flatness of the panel (Width-concave/convex) | ISO 24337 | % | $\leq 0,15 / \leq 0,20$ | $\leq 0,15 / \leq 0,20$ | $\leq 0,15 / \leq 0,20$ |
| **Classification properties – EN 16511** | | | | | |
| Wear resistance IP | EN 15468, procedure B | n° revolutions | > 5000 revolutions | > 5000 revolutions | > 5000 revolutions |
| Impact resistance [mm] (big ball) | EN 13329:2006+A1:2008, Annex F | mm | $\geq 1600$ | $\geq 1600$ | $\geq 1600$ |
| Effect of furniture leg | EN 424 (tested with foot type 0) ISO 16581 | | no visible change / damages | no visible change / damages | no visible change / damages |
| Castor chair resistance | EN 425 | Visual effect after 25 000 cycles | no visible change / damages | no visible change/ damages | no visible change/ damages |
| Dimensional stability due to variation of temperature | EN ISO 23999 | % | $\leq 0,15$ | $\leq 0,15$ | $\leq 0,15$ |
| **Safety properties – EN 14041** | | | | | |
| Fire resistance | EN ISO 11925-2 + EN ISO 9239-1 : Class EN 13501-1 | | Cfl-S1 | | Cfl-S1 |
| Slip Classification | EN 13893 | | DS | DS | DS |
| Formaldehyde emission | EN 717-1 | | E1 | E1 | E1 |
| Content pentachlorophenol (PCP) | EN 14041. Annex B | % | Undetectable | Undetectable | Undetectable |
| Thermal conductivity | EN 12667 | W/(mK) | 0,111 | 0,135 | 0,111 |
| Thermal resistance | EN 12667 | $(m^2K)/W$ | 0,06 | 0,05 | 0,06 |
| **Additional properties** | | | | | |
| Resistance to staining | EN 438-2: Group 1 only 10 min | Grade [a] | Grade 5 [b] | Grade 5 [b] | Grade 5 [b] |
| Swelling | ISO 24336 | % | < 1 | < 1 | < 1 |
| Impact sound reduction | EN ISO 10140-3 | dB ($\Delta$Lw) | 18 | 15 | 18 |
| Walking noise | IHD-W431 | dB % | Reduction improvement 18,5 dB. Difference of loudness 65% | Reduction improvement 9,2 dB. Difference of loudness 39% | Reduction improvement 18,5 dB. Difference of loudness 65% |
| **ASTM Standards** | | | | | |
| Airborne sound transmission loss | ASTM E90 /ASTM E413 | STC (dB) | 60 | | 60 |
| Impact sound transmission | ASTM E492 /ASTM E989 | IIC (dB) | 65 | | 65 |

(a) Grade 5 – No change / Grade 4 – Slight change / Grade 3 – Moderate change / Grade 2 – Considerable change / Grade 1 – Strong change
(b) Group 3: Grade 4

TÜV-PROFICERT-product interior brandis a voluntary, independent label for VOC-emission and quality of floorings. The results comply with the emission thresholds of AgBB, Belgian VOC regulation, Finnish M1 classification, BREEAM Exemplary level, LEED c4 (outside North America), RAL-UZ 120 and Austrian Eco Label (Guideline UZ 56).

As of January 2012 France has adopted regulations that limit total VOC emissions of building products. Manufacturers selling their products in France must obtain a classification ranging from A+ (very low emissions) to C (high emissions). The declared goal is to improve indoor air quality in private/commercial buildings.

CE marking is a certification mark that indicates conformity with health, safety and environmental protection standards for products sold within the European Economic Area (EEA).
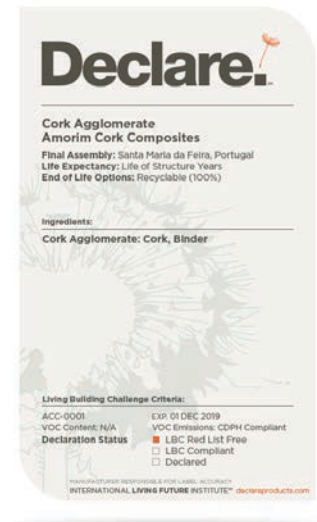








Greenguard Certification helps the identification of interior products and materials that have low chemical emissions, improving the quality of the air in which the products are used. It promotes global sustainability, environmental health, and safety.

The Blue Angel is a voluntary certification that guarantees that a product or service meets high standards when it comes to its environmental, health and performance characteristics. In the process these products and services are always evaluated across their entire life cycle.
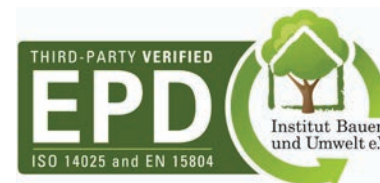
An Environmental Product Declaration is a verified document that reports environmental data of products based on life cycle assessment and other relevant information in accordance with the international standard ISO 14025.

In 2003 Japan has adopted regulations that limit formaldehyde emissions of building products in order to improve indoor air quality. So that products can be sold in Japan, they must have the classification ranging from F4 stars (extremely low emissions) to F4 stars (low emissions), but in this case with some restrictions.

**QUANTUM**

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