

Smart  
choice.



Amazing  
sensations.



cork WISE

  
AMORIM





**Sustainability is our ground.**

Being inspired by Nature  
is the beginning.

Amorim, the world market leader of flooring with cork incorporated, defines its 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





# Amorim is Climate Positive.

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

## 01. Sustainable by heart



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.



### Environment

No trees are damaged or cut during harvesting; The cork oak forest retains 5x more CO<sub>2</sub> 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.





### Close distances

Factories are located within few miles from the forests.



### Reincorporation of waste

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



### 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.



**02.**

## Green Production Process

**03.**

## 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

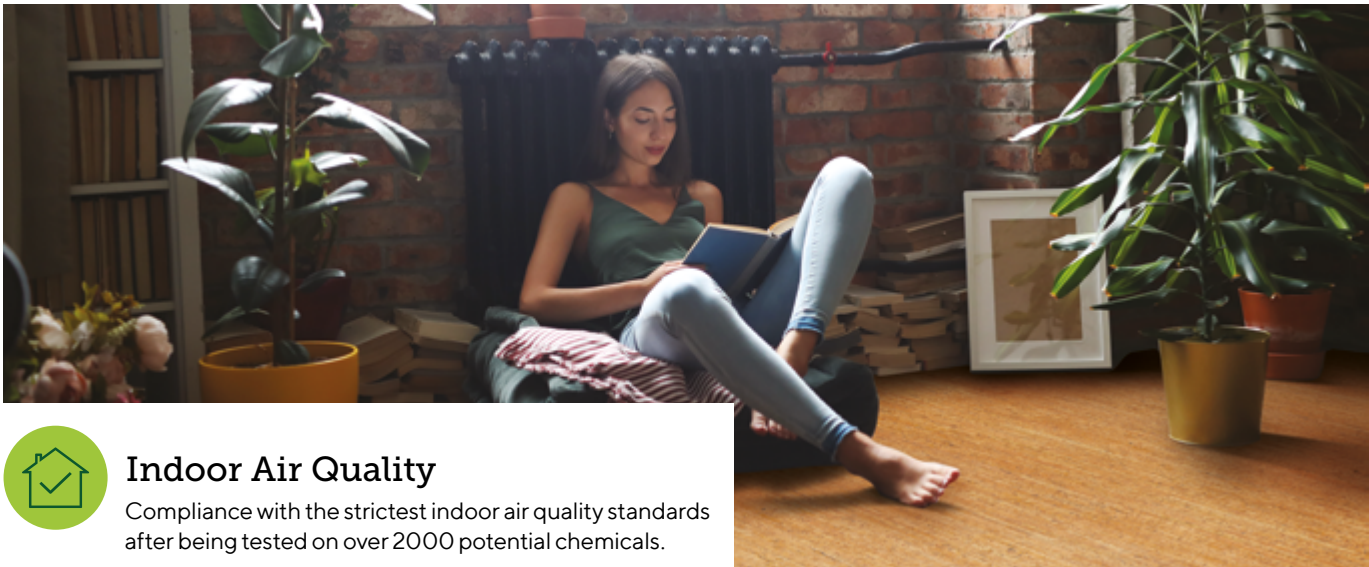
Reduces the walking sound up to 53%.



## Impact Resistance

Highest shock absorbing performance.





### Indoor Air Quality

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



### Natural Thermal Insulation

Optimal floor temperature all year round.



### Walking Comfort

Superior sense of comfort, even when walking barefoot.



# WISE

Cork  
Rigid  
Core

WISE by Amorim is a Climate Positive, PVC Free 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.





**The Wisest choice.**

# Cork Rigid Core (CRC)

**CRC**



CORK RIGID CORE

PVC FREE PROTECTIVE LAYER

Class of use 33

DECORATIVE VISUAL

Wood or Cork

COMFORT +

Cork inlay

PVC FREE CORK RIGID CORE

2G ANGLE /ANGLE INSTALLATION SYSTEM

COMFORT +

Integrated cork underlay



**Reinforced dimension stability**



**Superior Wear Resistance**  
(suitable for commercial areas)



**Minimum subfloor preparation**



**No Trees Cut Down**



**Cork underlayment included for extra performance**



**60 linear feet before an expansion is needed**



**2G Angle/Angle Installation System**





**The Wisest choice.**  
Seamless Visual



**Installation in  
large areas without  
transition strips**  
(up to 3,200 square feet  
without transition strips)



**No expansion joints  
in between rooms**





**The Wisest choice.**  
Waterproof

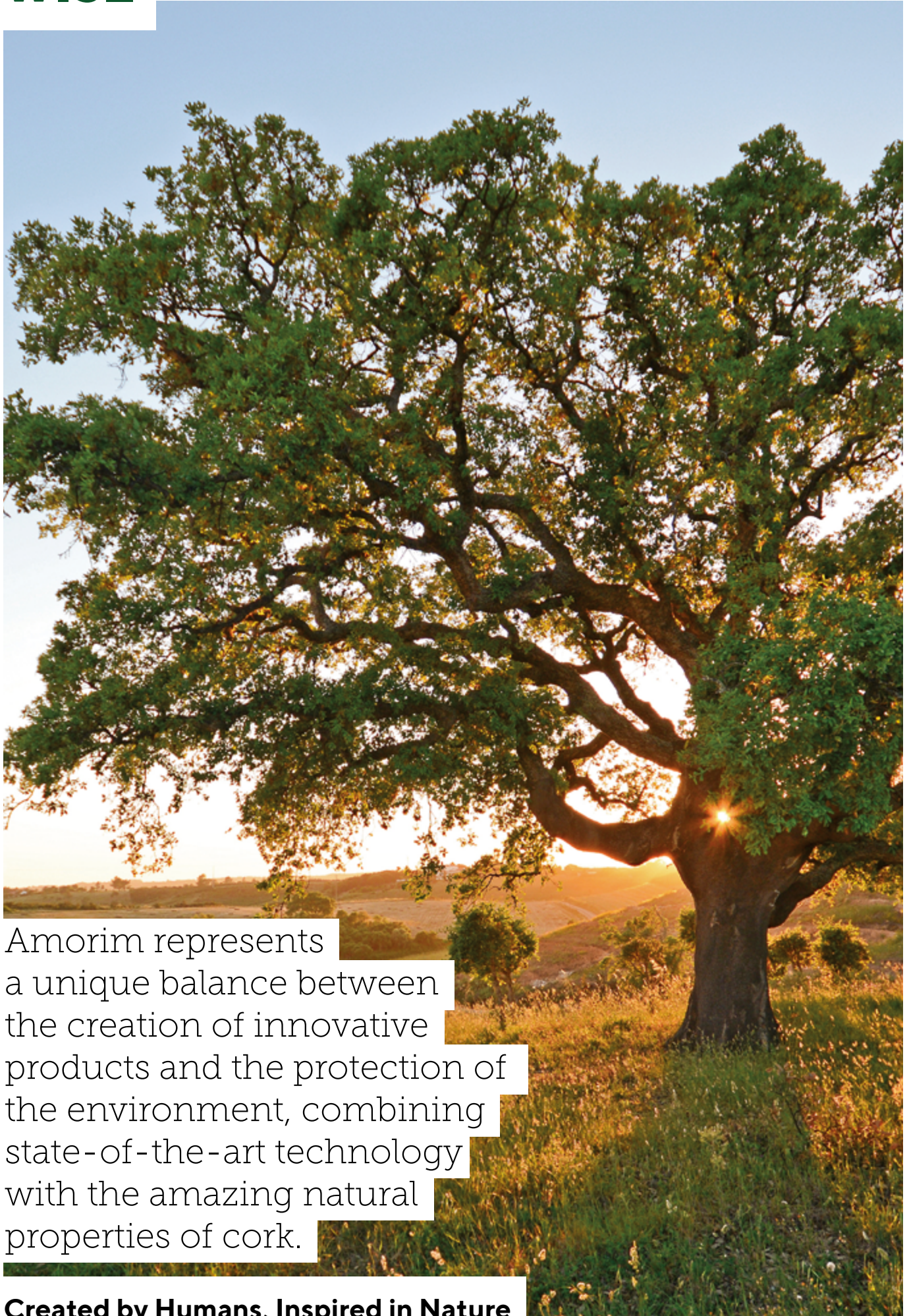


Waterproof



**Easy to Clean**  
(mop friendly)





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.

**Created by Humans, Inspired in Nature**





**cork WISE**

HRT - HIGH RESISTANCE TECHNOLOGY



# cork

## Technical solution

HRT PVC FREE PROTECTIVE SURFACE

Class of use 33

NATURAL CORK VENEER

COMFORT +

Cork inlay

PVC FREE CORK RIGID CORE

2G ANGLE /ANGLE INSTALLATION SYSTEM

COMFORT +

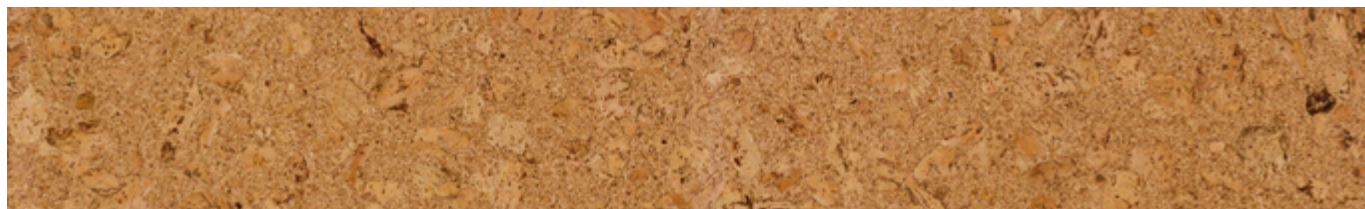
Integrated cork underlay



## Formats

1225 x 190 x 7mm

48 15/64" x 7 31/64" x 9/32"



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.



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





## Fashionable Cement

AA8L001



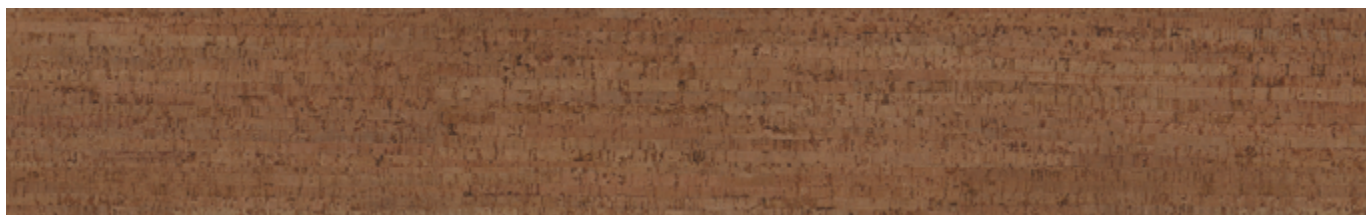
## Fashionable Grafite

AA8M001

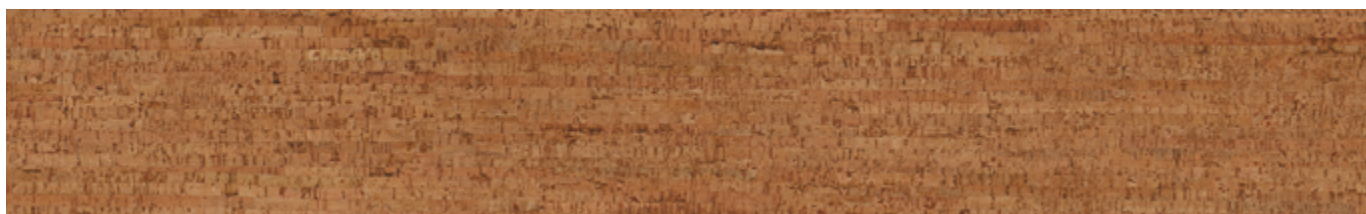


Fashionable Grafite





Traces Tea  
AA4M001



Traces Natural  
AA8B001

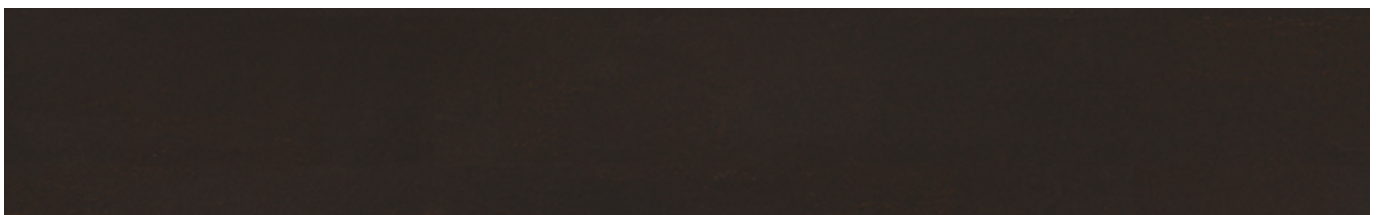




Traces Natural



Identity Chestnut  
AA3G001



Identity Nightshade  
AA2L001





Lane Antique White  
AA8J001



Lane Antracite  
AA8H001





Lane Antique White



Originals Harmony  
AA8F001



Originals Shell  
AA8E001



## Maintenance

# Optimal care for an everlasting beauty

To keep your floor spotless, Amorim recommends this list of auxiliary products. Each of these has a specific purpose and is designed to make the caring of your floor as easy as possible.

### Regular Maintenance

Manufacturer	Refs.
LOBA	LOBACARE Cleaner   LOBACARE CleanFix
BONA	BONA Cleaner   BONA Spray Mop
MAPEI	Ultracoat Universal Cleaner



### Soft Cleaner

This mild detergent is appropriate for weekly or even daily cleaning. It can be used to remove dirt, stopping it from infiltrating in the joints and in the regular embossing of the product.



### Spray Cleaner

Designed for regular cleaning, this mild detergent has the advantage of being a spray, which makes it a quick and easy solution to apply directly on the floor. It is very effective in cleaning dirt or grease stains.



# Technical data sheet

	Standard	Unit	Value (Cork HRT)
Level of use Domestic	ISO 10874	Class	Class 23
Level of use Commercial	ISO 10874	Class	Class 33

## General properties - EN 16511

Thickness	ISO 24337	mm	nominal $\pm 0,25$
Length	ISO 24337	$\square l \leq 0,5 \text{ mm}$	nominal value 1225 mm
Width	ISO 24337	$\square \text{wavg} \leq 0,10 \text{ mm}$ , relative to nominal value $w_{\text{max}} - w_{\text{min}}$ $\leq 0,20 \text{ mm}$	nominal value 190 mm
Squareness	ISO 24337	$q_{\text{max}} (\text{mm})$	$\leq 0,20$
Straightness	ISO 24337	$s_{\text{max}} (\text{mm/m})$	$\leq 0,30$
Openings	ISO 24337	mm	$\leq 0,20$
Height difference	ISO 24337	mm	$\leq 0,15$
Flatness of the panel (Length - concave / convex)	ISO 24337	%	$\leq 0,50 / \leq 1,00$
Flatness of the panel (Width - concave / convex)	ISO 24337	%	$\leq 0,15 / \leq 0,20$

## Classification properties - EN 16511

Wear resistance IP	EN 15468, procedure B	$n^\circ$ revolutions	> 5000 revolutions
Impact resistance [mm] (big ball)	EN 13329:2006+A1:2008, Annex F	mm	$\geq 1600$
Effect of furniture leg	EN 424 (tested with foot type 0) ISO 16581		no visible change / damages
Castor chair resistance	EN 425	Visual effect after 25 000 cycles	no visible change / damages
Dimensional stability due to variation of temperature	EN ISO 23999	%	$\leq 0,15$

## Safety properties - EN 14041

Fire resistance	EN ISO 11925-2 + EN ISO 9239-1: Class EN 13501-1		Cfl-S1
Slip Classification	EN 13893D		S
Formaldehyde emission	EN 717-1E		1
Content pentachlorophenol (PCP)	EN 14041, Annex B	%	Undetectable
Thermal conductivity	EN 12667	W/(mK)	0,111
Thermal resistance	EN 12667	( $\text{m}^2\text{K}$ )/W	0,06



	Standard	Unit	Value (Cork HRT)
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#### Additional properties

Resistance to staining	EN 438-2: Group 1 only 10 min	Grade <sup>(a)</sup>	Grade 5 <sup>(b)</sup>
Swelling	ISO 24336	%	< 1
Impact sound reduction	EN ISO 10140-3	dB ( $\Delta$ L <sub>w</sub> )	18
Walking noise	IHD-W431	dB %	Reduction improvement 18,5 dB Difference of loudness 65%

#### ASTM Standards

Airborne sound transmission loss	ASTM E90 /ASTM E413	STC (dB)	60
Impact sound transmission	ASTM E492 /ASTM E989	IIC (dB)	65
Thermal resistance	ASTM C177	R-value (m <sup>2</sup> K)/W	0,0539
Thermal conductivity	ASTM C177	$\lambda$ value W/(m.K)	0,127
Residual indentation	ASTM F1914	%	0,9
Static load limit	ASTM F970	in or mm	0,100

(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 brand is 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, LEEDv4 (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.



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.



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).



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.



In 2003 Japan has adopted regulations that limit formaldehyde emissions of buildings 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 F3 stars (low emissions), but in this case with some restrictions.



#### Under Approval

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.





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