



**NO PROBLEM,  
IT'S HYDROCORK.**

**hydracork** READY FOR REAL LIFE  
FLOORING

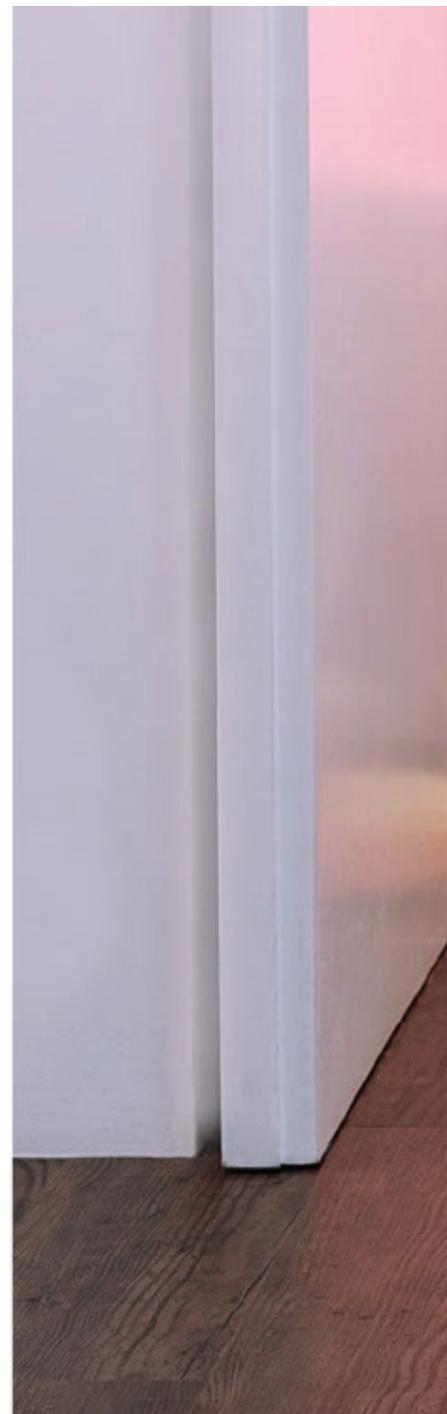
**hydracork**

MADE IN PORTUGAL

## ONE FLOOR FITS ALL SPACES

Hydrocork is available in a beautiful range of realistic wood visuals that provide all the benefits of the Corktech technology. Hydrocork is 100% waterproof which means that it can be used in all areas including bathrooms and kitchens! Wicander's believe in their premium product so much that they provide a Lifetime Warranty to the purchaser for residential usage.

Hydrocork, it's the ethical flooring choice.







Introducing the Amorim Group and Wicanders.

The Amorim group is one of the largest, entrepreneurial and dynamic multinational companies from Portugal. Established in 1870, the Amorim Group has a long and proud family tradition spread over many years and is now in the hands of fourth generation family members.

Originally Amorim started their foundation with cork and then expanded into other areas including raw materials, cork stoppers, floor & wall coverings, composite cork and insulation cork. Amorim cork products are now utilized in industries such as aeronautical, construction, health, wine-producing industries, aviation, fashion and energy production. Such is the flexibility of natural cork that it is used as a material of choice for designers, architects and engineers from a wide variety of sectors all over the world.

A global leader in the production of cork flooring, Amorim Revestimentos places sustainability as the cornerstone for a brighter future. Amorim heavily invest in research and the creation of solutions to ensure an enhanced quality of life for cork users with an emphasis on protecting the environment.

Amorim Revestimentos flooring and wall division, Wicanders was founded in 1978 and is currently represented in more than 67 countries around the world.

The Wicanders, Hydrocork range soon established itself as the fastest growing product line in the companies entire sales history.

An amazing step forward in floating floor technology, with all the benefits of cork in 6mm thickness, Hydrocork is the ethical flooring choice. The Hydrocork range is world renowned for it's exceptional quality, attractive and realistic visuals, all with the benefits that natural cork offers.

Experience the difference of Hydrocork for yourself, it's one of nature's most extraordinary gifts.



# CORK - One of nature's most extraordinary gifts

Cork is the bark of the cork oak tree (*Quercus Suber L.*), which means that it is 100% natural plant tissue. It consists of a honeycomb of microscopic cells filled with an air-like gas and coated mainly with suberin and lignin. Cork is an impermeable, buoyant, elastic material that also has fire retardant properties.

Cork oak forests are endemic to southwest Europe and northwest Africa. The Montado protected cork oak forest in Portugal produces approximately half of the world's harvested cork annually, with Amorim being the leading company within the ever expanding industry.

Once trees are about 25 years old the cork is traditionally stripped from the trunks every nine years and the trees live for over 300 years allowing each tree to be stripped many times during their life time. Cork is environmentally friendly and production is sustainable, as the cork tree is not cut down to obtain cork; only the bark is stripped to harvest the cork. The tree continues to live and grow for many years.

Cork's bubble-form structure and natural fire retardant qualities make it perfect for acoustic and thermal insulation of house floors, ceilings and facades. Cork is non-allergenic, easy-to-handle and a safe alternative to petrochemical-based insulation products.

## HYDROCORK versus the rest

To be classed as an authentic cork flooring product, the cork composite core requirement is a minimum of 3mm in density. Don't be fooled by imitations, unlock the true benefits of cork and insist on Hydrocork.



hydrocork



Many advertised "cork" flooring products available in New Zealand contain very small amounts of cork!



# WOOD LOOKS

Hydrocork is stocked in 13 natural wood look and feel visuals in a plank format of 1225 x 195 mm. Featuring a 0,55mm wear layer that provides a remarkable enduring beauty, and with only 6mm of thickness, it is the perfect choice for renovation projects since Hydrocork can be installed on top of a previously existing floor.



## New Zealand Stock Range



Claw Silver Oak | B5V3003



Alaska Oak | B5Q0002



Limed Grey Oak | B5T7002



Arcadian Arctic Pine | B5WT001





## New Zealand Stock Range



Light Dawn Oak | B5WS001



Rustic Fawn Oak | B5WU001



Rustic Grey Oak | B5WV001



Castle Raffia Oak | B5P0002



Arcadian Rye Pine | B5P5003



Castle Toast Oak | B5P1002

# New Zealand Stock Range



Sawn Twine Oak | B5P2002



Sylvan Gold Oak | B5L8001



Century Morocco Pine | B5P6002









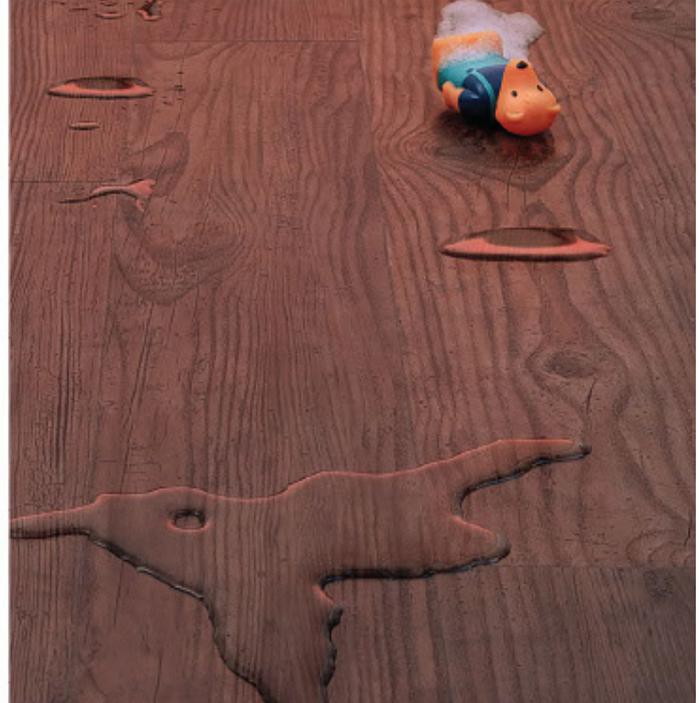


100%  
**WATERPROOF**



**DURABLE,**  
**RESISTANT**  
AND EASY TO MAINTAIN

The elasticity and resilience of Hydrocork's cork layer creates a floor that is adaptable to pressure, adding the capacity to absorb, resist and recover from violent impacts. The surface is made with a protective wear layer making it extremely easy to clean and maintain.



# MORE THAN JUST A BEAUTIFUL FLOOR

Hydrocork is a low thickness floating solution with a core board made of composite cork that can be placed in any indoor space without boundaries. Ideal for renovations, Hydrocork is also 100% waterproof, incredibly stable, durable, a thermal insulator and helps absorb noise. You simply cannot compare the unmatched properties of natural cork.



**SILENCE**

Hydrocork acts as a buffer between the floor and the rooms underneath reducing the walking sound by up to 53%.



**NATURAL THERMAL  
INSULATION**

The natural thermal insulation properties of cork make Hydrocork very energy efficient and provides an optimal floor temperature throughout the year contributing to your family's overall comfort.



**WALKING COMFORT**

Hydrocork's inherent flexibility and cushioning properties provide a unique sense of comfort. Even when walking barefoot, Hydrocork is cosy and very relaxing.



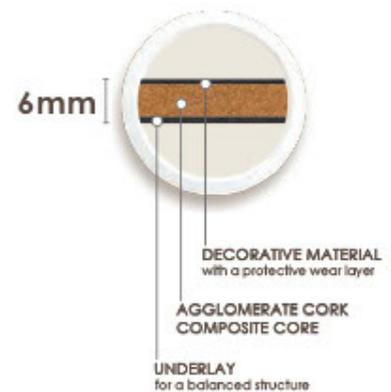
**BODY WELLNESS**

Hydrocork provides the perfect balance between flooring that is too hard or too soft. It also provides much needed stability and reduces the effort of walking and decreases body fatigue.



**IMPACT RESISTANT**

Hydrocork has high impact resistant properties meaning that the Cork's natural elasticity and compressibility results in fewer breakages. It's robust flooring for a busy lifestyle.







# EASY AND FAST INSTALLATION

STABLE AND STRONG INSTALLATION WITH THE  COMPRESSION SYSTEM

PRESSfit is a revolutionary new compression system that takes full advantage of the amazing properties that cork possesses - flexibility, elasticity, functionality and compressibility. It functions like a cork stopper at 6mm thick and is the optimal choice for renovations, architectural and designer projects and new builds. Very easy to cut and install, it's strong and balanced structure reduces the telegraphing effect due to subfloor irregularities.





## REDUCED INSTALLATION COSTS

Hydrocork is only 6mm thick making it easy to cut and easy to install, even on top of other flooring materials. It's unique design and flexibility also allows for the flooring to be removed, reused and installed again. Hydrocork does not require any underlay.





Arcadian Eye Pine

LIMITED\*  
**LIFETIME**  
 WARRANTY



Promotes global sustainability, environmental health and safety



Low Telegraphing Effect



Remarkable Realism



Suitable for Subfloor Heating



Dimensional Stability



Lifetime warranty for residential use.



15 years warranty for commercial use.

\* Please see the terms and conditions of Wicanders Limited Warranty on the website - [www.wicanders.com](http://www.wicanders.com)



## hydracork

An amazing step forward in floating floor technology, with all the benefits of cork in 6mm of thickness. The Hydrocork line is a product of exceptional quality with attractive and realistic visuals.

- 1 Protective wear layer 0.55mm, with embossed texture
- 2 High resolution printed film
- 3 Solid vinyl layer (1.2mm)
- 4 Agglomerated cork composite core with pressFit System 3mm
- 5 Integrated vinyl underlay 1.2mm

Dimensions: 1225 x 195 x 6mm





# HYDROCORK ADVANTAGES



## + Silence

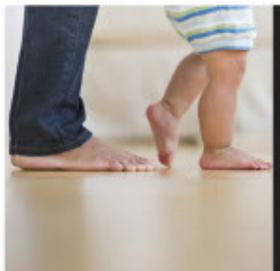


Cork is a natural acoustic insulator.

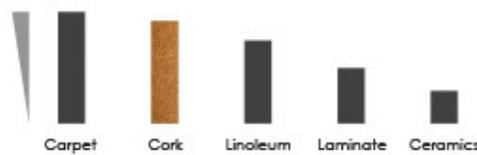
Tests have confirmed that cork floors reduce the sound of walking by up to 53%.

This is because of its mostly air-filled honeycomb structure, which allows it to absorb sound and vibrations.

Study run by Entwicklungs-und Prüflabor Holztechnologie gmbH (EPH) in Germany according to IHD-W 431.



## + Walking comfort



The natural and innate flexibility of cork makes Hydrocork floors highly comfortable for walking.

Studies show that after 45 minutes of walking on five different materials, Hydrocork cork floors left users with an exceptionally high perception of comfort.

Study run by IBV Biomechanical Institute in Valencia, Spain.



## + Natural thermal insulation



Cork provides natural thermal insulation.

Studies show that cork is the most efficient material for preventing energy dispersion.

Due to its low thermal conductivity, it retains heat, providing an optimal floor temperature all year round.

Study run by IBV Biomechanical Institute in Valencia, Spain.

# hydracork



## + Body wellness



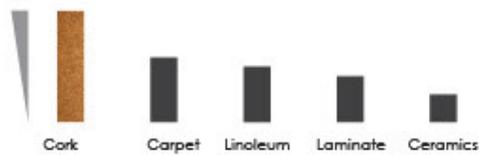
Cork floors offer the perfect balance between rigidity when walking and resilience in absorbing heel strike impacts, thereby reducing tension in the feet, arms, legs and back.

Tests show that Hydracork cork floors provide the perfect balance between floors that are too hard or too soft. They reduce tension and fatigue from walking.

Study run by IBV Biomechanical Institute in Valencia, Spain.



## + Impact resistance



Cork's natural elasticity and compressibility allows it to adapt easily to pressure. This makes for a highly resistant and durable flooring.

Tests show that Hydracork cork floors have the best shock absorbing performance.

Study run by IBV Biomechanical Institute in Valencia, Spain.

Sustainable & Protected Portuguese Cork Forests







## CORK IS SUSTAINABILITY

The Montado is considered one of the world's 35 Biodiversity Hotspots, a habitat that hosts a rich diversity of plants and animals, many of which are endangered. Hydrocork represents a unique balance between wealth creation and protection of the environment. Hydrocork products actively contribute towards reducing global warming through their low emissions and through cork's natural ability to retain CO<sub>2</sub>.

## CORK IS NATURE

Cork is 100% natural and biodegradable, originating from the bark of the cork oak tree. It is made up of 40 million cells per cm<sup>3</sup>. The cork is harvested for the first time when the tree reaches the age of 25, after which it is carefully removed by hand once every 9 years without damaging the tree.

## CORK IS INNOVATION

Through technological development and investments in innovation and research, new applications using cork are increasingly being discovered. Architects and designers are increasingly turning to natural and ecological materials and finding new discoveries and applications. This usage ranges from special effects in action films to high tech accessories in the aerospace, automobile and pharmaceutical industries.

## CORK IS COMFORT

Hydrocork provides greater comfort by using a multi-layered structure while focusing on the core benefits of natural cork. The inherent flexibility and cushioning properties of cork provide a unique sense of comfort.





Sobreiras – Country Hotel | Grândola, Portugal



Shirakawa Library | Japan



27 Via Verde Office | Lisbon, Portugal





Microsoft Head Office | Portugal



Miradero Restaurant | Canada



Lisboa Carmo Boutique Hotel | Portugal

# TECHNICAL DATA

Low thickness floating			
			0,56mm Wear Layer 1226 x 146 x 8mm   48 7/32 x 6 11/16 x 1/4" 1226 x 196 x 8mm   48 7/32 x 7 11/16 x 1/4" 806 x 146 x 8mm   23 13/16 x 6 11/16 x 1/4"
Level of use Domestic	ISO 10874	Class	
Level of use Commercial	ISO 10874	Class	
	Standard	Unit	Specification
General properties - ISO 10682 + EN 14086 + EN 14041			
Dimensions: Width: Length:	ISO 24842	mm	± 0,10% up to max. 0,6 max. 2,0
Overall thickness	ISO 24848	mm	nominal ± 0,25
Squareness	ISO 24842	mm	≤ 0,60
Straightness measured at the surface layer	ISO 24842	mm	≤ 0,30
Mass per unit area	ISO 23997	g/m <sup>2</sup>	Nominal +18% / -10%
Dimensional stability (humidity)	EN 14086 Annex O/ EN 889	mm	≤ 6
Dimensional stability and curling after exposure to heat	ISO 23999	%	≤ 0,25
Openings between panels	EN 14086 (Annex B)	mm	≤ 0,20
Height difference between panels	EN 14086 (Annex B)	mm	≤ 0,20
Flatness of the panel (Length - concave / convex)	EN 14086 (Annex A)	%	≤ 0,60 / ≤ 1,0
Flatness of the panel (Width - concave / convex)	EN 14086 (Annex A)	%	≤ 0,10 / ≤ 0,15
Residual indentation	ISO 24848-1	mm	≤ 0,1
Colour fastness	ISO 105-B02	Blue wool scale	≥ 8
Classification properties - ISO 10682 + EN 14086			
Wear layer thickness (wear layer binder content type 1)	ISO 24840	mm	0,56
Thickness swelling	ISO 24838	%	≤ 15
Oastor chair	EN 425	Visual effect - after 25.000 cycles	No disturbance to the surface other than a slight change in appearance and no delamination shall occur
Simulated movement of a furniture leg	EN 424	Visual effect	No damage shall be visible after testing with a type O foot

Low thickness floating			
			0,55mm Wear Layer 1225 x 145 x 6mm   48 7/32 x 5 11/16 x 1/4" 1225 x 195 x 6mm   48 7/32 x 7 11/16 x 1/4" 605 x 145 x 6mm   23 13/16 x 5 11/16 x 1/4"

Safety properties - EN14041

Fire resistance	ISO 11925-2/ISO 9239-1 (classification according to EN 13501-1)	Class	Bfl-s1
Slip resistance	EN13893	Class	D6
Formaldehyde emission	DIN EN 717-1	Class	E1
Content pentachlorophenol (PCP)	EN 14041 Annex B	%	Undetectable

Additional properties

Stains resistance	ISO 26987 (a)	Grade	Grade 0 (b) Iodine grade 2 (b)
Thermal resistance	EN 12667	(m <sup>2</sup> K)/W	0,05
Impact sound reduction	ISO 140-8	dB (PLw)	16 dB
Walking sound	IHD -W431	dB (A)	Reduction improvement 11,1dB Difference of loudness 51,1%
Swelling of the joints (Moisture Exposure)	IHD 423	mm	No visible effect

ASTM Standards

Airborne sound Transmission Loss	ASTM E90 /ASTM E413	STC (dB)	62 dB
Impact sound transmission	ASTM E492 /ASTM E989	IIC (dB)	61 dB
Impact sound transmission	ASTM E2179	ΔIIC	16 dB
Smoke density	ASTM E662	KW/m <sup>2</sup>	Flaming & non flaming <= 450
Radiant panel (critical radiant flux)	ASTM E648	(W/cm <sup>2</sup> )	→ 0,45 W/cm <sup>2</sup> Exceeds, Class I
Thermal resistance	ASTM C177	R-value (m <sup>2</sup> K)/W	0,0432
Residual indentation	ASTM F1914	%	0,4%
Static load limit	ASTM F970	in or mm	<= 0,005 in (load of 250 lb) <= 0,127 mm (load of 113,4 Kg)
Ignition characteristics of finished textile floor covering systems	ASTM D2859	-	Meets the criteria

(a) The following products were tested: disinfectant, CH<sub>3</sub>OH, NH<sub>4</sub>OH, citric acid, iodine, petroleum, spirit

(b) Grade 0 - Unchanged / Grade 1 - Very little change / Grade 2 - Little change / Grade 3 - Change / Grade 4 - Strong change

Wicanders Flooring Collection is supported by a warranty. Please, read the warranty terms on [www.wicanders.com](http://www.wicanders.com)

DISCLAIMER

The information contained in this catalogue is correct to the best of our knowledge but is not constrained as legally binding. Quantum Group Ltd reserves the right to change and modify the products listed at any time. Product colours shown are as close to the real colours as the limitations of modern printing processes will allow. While being the result of careful photography these picture suggestions and instructions should be considered purely indicative.



MADE IN PORTUGAL



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