

# HY TEK FLOORING



**Parklex<sup>®</sup>**



Hy Tek is an ultra-low maintenance wood floor, conceived for internal applications. Specifically designed for high-traffic environments such as hotels, offices, museums, airports, shops etc., it is also perfect for residential schemes and ideally suited for installation over UFH systems.

Our new wood species combine the natural integrity, feel and warmth of timber with outstanding technical advantages, for perfect installation to residential or commercial spaces.

The water-resistant surface applied to all finishes and woods, enables Hy Tek floors to be installed to areas in frequent contact with water, along with an option of high specification slip resistance.





## Resistant to use

Hy Tek is not just another timber floor. It offers incredible wear resistance and durability, optimised for high use and heavy traffic environments. A wood floor with similar characteristics to alternative high resistance materials (such as ceramics) without compromising the unique beauty of wood, the true character is clear in all our products.

## Resistant to wear and abrasion, AC6

Parklex® is designed for high traffic areas (where material specifications are stringent) where performance, durability and long-term beauty are key. Our floors can be used in any building, whether commercial, residential or where specific environmental conditions are very demanding. Parklex® stands out as one of the few natural wooden floors (available worldwide) with an AC6 (EN 438-2 Section 11) classification, therefore suitable for installation in any interior space.

## Scratch resistant

Parklex® floors were developed to prevent marks to the surface, caused by sharp or pointed objects. Office chairs (fitted with correct castors, designed for use on hard floors) or furniture (with appropriate protection to the legs/feet) do not harm the surface, maintaining its natural beauty for many years.

## Impact resistant

The dense nature of the Bakelite behind the natural wood veneer ensures Parklex® floors can withstand most impacts from falling objects, depressions from stiletto shoes or other influences, without significant altering of the appearance.

## Resistance to cigarette burns

During the Hy Tek development phase, all necessary cigarette burn tests were passed, with outstanding results.

## Reaction to fire

Hy Tek floors achieve the highest possible (organic) material classification for reaction to fire: B-fl s1 (according to standard EN 13501-1).

## Light fastness

One of the greatest concerns when using natural timber is how the original tone evolves over time, especially in areas exposed to sunlight. Our technology allows us to add specific components, ensuring the wood evolve subtly and consistently.

Hy Tek floors include a UV radiation protective film impregnated during the manufacturing process which are specifically designed to protect the wood throughout its life cycle, without any need for future protective applications.

## 10-year guarantee

Our continuing commitment to R & D and the ultimate quality of our products allows us to offer a 10-year guarantee for Hy Tek floors.







## Ultra-low maintenance wood

Parklex® uses proprietary resin-based technology to protect the wood from Day 1, making it appropriate for continued use. No ongoing maintenance such as sanding, lacquering, oiling etc. is ever required. Just a wash with a damp mop, with a PH neutral cleaning solution if necessary.

## Resistance to damp

Our own technology protects the surface wood with resins and other components that provide outstanding moisture resistance. This, along with the Bakelite balancing layer, make a correctly installed Hy Tek floor a leak-tight floor, highly resistant to water and damp.

## Slip resistant

Hy Tek is perfect for public-use projects, or in zones where safety regulations demand flooring with a strict slip-risk classification. Areas such as emergency exits, ramps, stairs, damp areas, etc. can be safely covered. Parklex® floors can meet (and often exceed) essential requirements in slip resistance, ensuring guaranteed maximum user safety.

## Resistant to stains

The natural wood surface of Hy Tek floors is totally protected from external influences which would stain a conventional wood floor. According to standard EN 438-2, section 26, contact with substances such as bleach, ammonia, fingernail polish, coffee, red wine and other aggressive elements do not compromise the appearance. Cleaning with PH neutral soap and water eliminates regular dirt with ease, leaving no visible marks or stains.



Product: Hy Tek / Wood: Natural Beech 188 mm no bevel  
Palma Convention Centre, by Francisco Mangado (Palma de Mallorca, Spain)







Product: Hy Tek / Wood: Natural Beech 188 mm no bevel  
Palma Convention Centre, by Francisco Mangado (Palma de Mallorca, Spain)







Product: Hy Tek / Wood: Maple 188 mm no bevel  
Hotel Marqués de Riscal, by Frank Gehry and César Caicoya (Elciego, Spain)







Product: Hy Tek / Wood: Eucalyptus 188/290 mm bevelled  
Villa en Atotxa-Erreka, by Izaskun Larzabal (San Sebastián, Spain)







There are options for skirtings, details for stairs and door lining/architraves that may be customised with the same wood species as used on the floors.



Floor product: Hy Tek / Wood: Caramel Bamboo Satin 188 mm no bevel  
Wall product: Dry Internal F / Wood: Caramel Bamboo Woodskin  
Hotel OD Barcelona, by Víctor Rahola Aguadé (Barcelona, Spain)











Product: Hy Tek / Wood: Walnut 590 mm bevelled  
Jung Space (Casa Decor 2017), by Ignacio Alegría and Manuel Such (Madrid, Spain)



Hy Tek interior floors are available in 15 different types of wood\* and two types of surface finish:

## Satin

With a smooth surface, slightly satin, reflecting light less significantly than a gloss finish.

## Woodskin Matt

Finished with an 'open pore' texture, where one can feel the grain and knots from the original wood. Light refraction is minimal, similar in appearance to an oiled finish, so matt in nature. It has the best result in slip resistance tests.

Wood is a natural product; therefore, each veneer must be considered as unique. Slight differences in colour, grain and structure is completely normal. Peculiarities such as knots or resin inclusions are not defects and should always be considered as part of the decoration. Depending on the species and origin of the wood, there are differences in light fastness behaviour. For this reason, no claims will be accepted based on differences/changes in tone between the sample and the final product. / \*At Parklex® we constantly update and renew our wood species, so there is often the possibility of working with other wood varieties additional to those shown in this catalogue. For more information, see our updated wood supply at [parklex.com](http://parklex.com) or send us an email at [parklex@parklex.com](mailto:parklex@parklex.com).



**AMERICAN OAK**



**COUNTRY OAK**



**RUSTIC OAK**



**SAND OAK**



**SMOKED GREY OAK**



**CARAMEL BAMBOO**



**NATURAL BAMBOO**



**EUCALYPTUS**



**GRAPHITE**



**MAPLE**



**NATURAL BEECH**



**OLIVIER ASH**



**RECONSTITUTED GREY OAK**



**TEAK**



**WALNUT**

Parklex® offers different applications and installation systems, depending on the selected panel width:

	Panel widths			
	107 mm	188 mm	290 mm	590 mm
Installation as floating floor	—	✓	—	—
Installation as glued floor	✓*	—	✓	✓
Installation over a radiant floor	—	✓	—	—
Installation with slats of different widths	✓	✓	✓	—
Installation in damp environments	✓	✓	✓	✓

For installation and assembly, it is essential to follow the specific instructions in the Hy Tek technical guide or contact the technical department at Parklex® for additional advice. / \* The 107-mm slat must be installed as a glued floor.



Product: Hy Tek / Wood: Eucalyptus 188 mm no bevel  
Casa Pocafarina, by Hidago Hartmann (Girona, Spain)





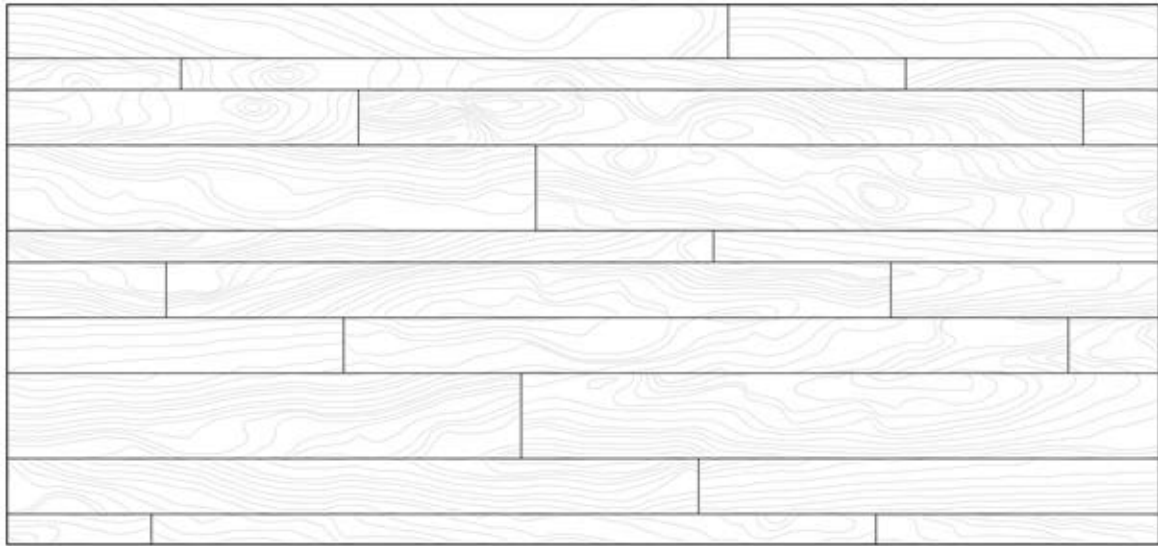
Floor product: Hy Tek / Wood: Country Oak Bamboo Woodskin Matt 188/290/107 mm bevelled  
Wall product: Dry Internal / Wood: Country Oak Woodskin



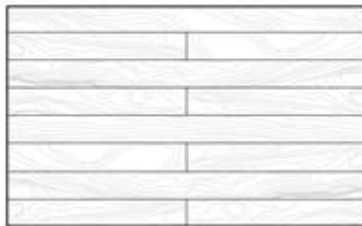
Hy Tek interior flooring is offered with the option of a flush or bevelled joint. The bevelled boards create a more rustic, warm and traditional look.

The 107-mm width is only supplied with a bevelled edge.

It is possible to combine boards of different widths, for installations with a blended-slat pattern.



Blended-slat pattern



Classic installation patterns





For Hy Tek installation, Parklex® offers dilation joints and insulation blankets.

Tests	Standard	Unit of measurement	Result
-------	----------	---------------------	--------

## 1. Inspection



Parklex® HY TEK  
Ref: FTP Hy Tek

Colour, pattern and surface finish

EN 438-8 Sect. 5.2.2.3

Due to the fact that wood is a natural product, each veneer must be considered as unique. The presence of slight differences in colour and structure is normal. Peculiarities such as knots or resin inclusions are not considered to be defects, but as part of the decoration. Depending on the species and the source of the wood, differences in performance may be observed, as regards the colour's light fastness. For this reason, no claims will be admitted on the basis of changes in tone between the sample and the end product.

## 2. Classification requirements UNE EN 13.329

Abrasion strength	EN 438.2 Sect. 11	Class	AC6
Resistance to impact	EN 438-2 Sect. 20 and 22	-	IC 2 <sup>III</sup>
Resistance to staining	EN 438-2 Sect. 26	Rating (Groups 1 and 2)	5
		Rating (Group 3)	5
Resistance to cigarette burns	EN 438-2 Sect. 30	Rating	5
Effect of furniture leg	EN 424	-	No damage after testing with type-O leg
Effect of a chair with revolving wheels	EN 425	-	No change in appearance or physical damage after 25,000 cycles with type-W wheels
Swelling thickness	UNE EN 13.329 Annex G	%	< 10
Use class	UNE EN 13.329	domestic	
		commercial	

## 3. Dimensional tolerances

Joints between pieces	UNE EN 13.329	mm	≤ 0.2
Spaces between pieces	UNE EN 13.329	mm	≤ 0.15

## 4. EC Safety requirements

Reaction to fire	EN 13.501-1	Classification	Bfl-s1
PCP content	EN 438-8 Sect. 4.10	ppm	≤ 5
Formaldehyde emission	EN 717-2	Class	E1
Waterproof degree	EN 13.553	Classification	Leak-tightness
Resistant to slippage	EN 13.893	μ	0.73 (DS)
Electrical resistance	EN 1.081	MΩ	825 (anti-static)
Anti-static properties	EN 1.815	KV	< 2
Thermal conductivity	EN 12.524	W/(m²K)	0.17

## 5. Additional testing results

Brinell	-	N/mm²	≥ 40
Density	-	g/cm³	≥ 0.75
Resistance to scratching	EN 438-2 Sect. 25	Rating	4 <sup>III</sup>
Resistance to immersion in boiling water	EN 438-2 Sect. 12	Rating	≥ 4
			≥ 70 (longitudinal) ≥ 60 (transversal)
Flexural strength	EN 310	MPa	≥ 7000 (longitudinal) ≥ 6000 (transversal)
Flexural elastic modulus	EN 310	MPa	≥ 7000 (longitudinal) ≥ 6000 (transversal)
Resistance to slippage	UNE-ENV 12.633	USRV(Rd)	> 15
		Classification according to CTE (Spain)	Class 1
Blow noise reduction	UNE-EN ISO 140-8	ΔLw	17
Light fastness	EN 438.2 Sect. 27	Greyscale degree	≥ 2 <sup>II</sup>

## 6. Optional features upon request

Resistance to slippage	UNE-ENV 12.633	USRV(Rd)	> 35
		Classification according to CTE (Spain)	Class 2
Resistance to slippage	DIN 51.130	Class	R9

<sup>II</sup> Except Wengue, Walnut, Teak, Maple, Sandy Oak, Smoked Grey Oak, Olivier Ash, Natural Zebrano, Reconstructed Zebrano, Caramel Bamboo, Golden Ayous woods, which are classified IC1 and Use Class 31.

<sup>III</sup> Except for Walnut, Teak, Wengue, Smoked Grey Oak and Sapeli woods, which are rating 3.

<sup>II</sup> Except Maple wood, which is rated <2.







**APURVA MAYANI**

**Authorised Dealer For Domestic Market**

**7021145122 / 9819599925**

**info@sqinotecch.com**

**www.sqinotecch.com**

**www.parklex.com**