Cutting edge timber facades
– the long term solution

Parklex® Facade

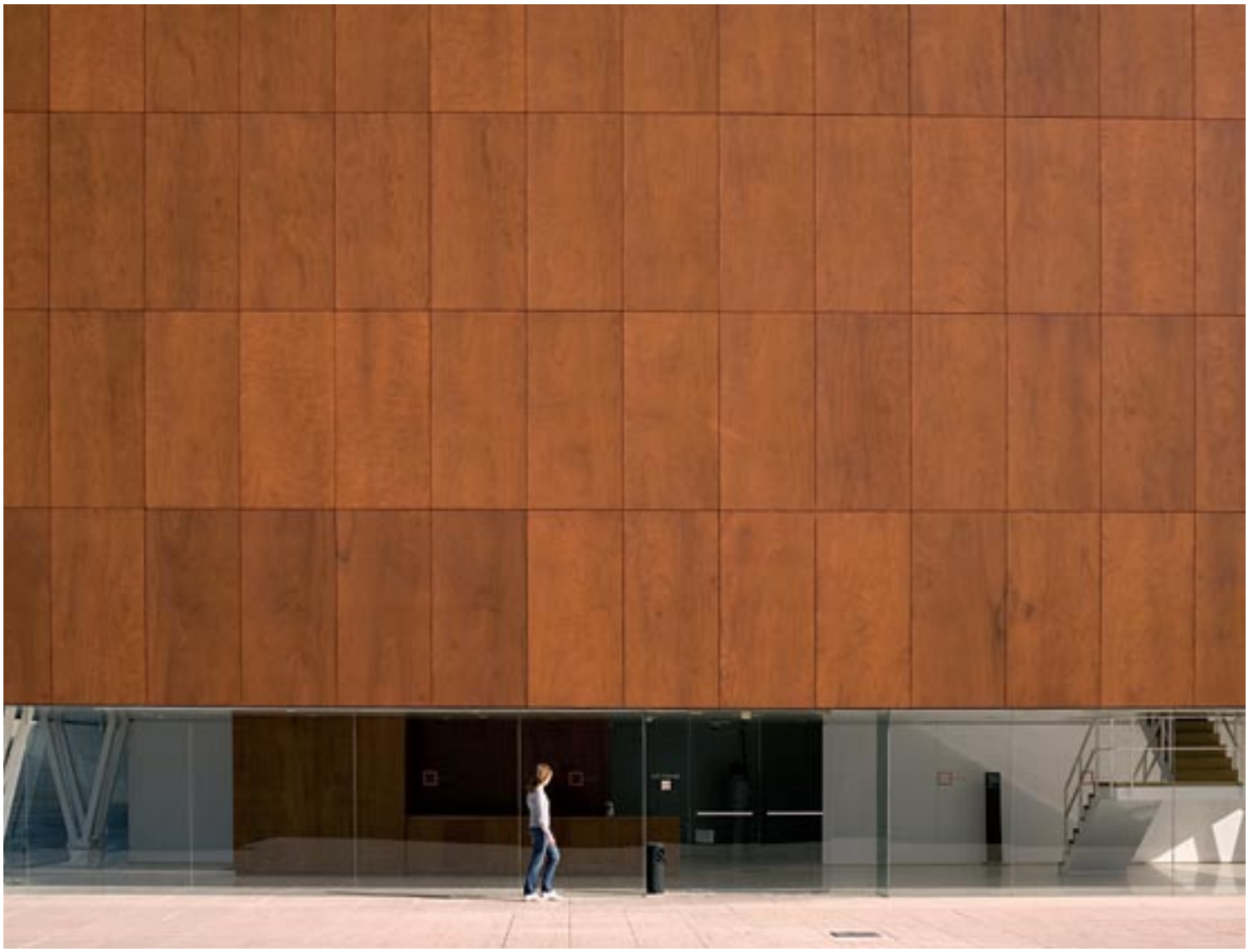
External façade panels

With a product manufactured from natural timber the warmth and quality of wood are clearly evident.

Parklex has developed a wide range of outstanding panels for external use, produced from natural wood. All go through a manufacturing process that provides the natural wood with extraordinary properties of climatic resistance and durability, making Parklex Facade ideal for use on building exteriors.

Rain, sun, cold or heat, Parklex covers building façades with natural timber, providing a guarantee of high performance and low maintenance. Don’t just settle for using wood on the inside of your building, encapsulate the structure with the natural beauty of Parklex Facade.

The quality of a building, as seen from the outside.

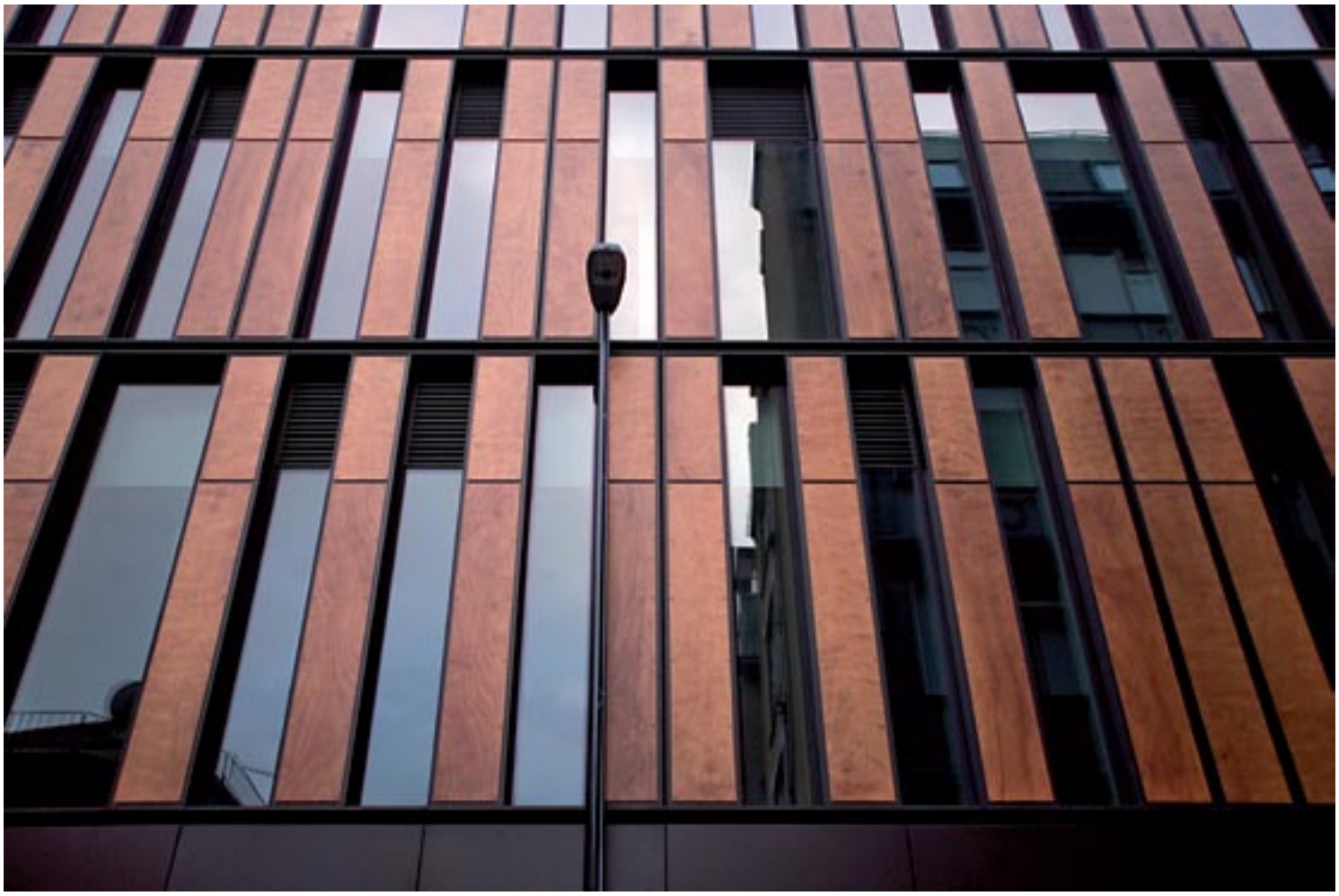


Parklex® Facade

Parklex Facade is a high-density timber faced panel, manufactured with a core of paper fibres treated with thermosetting resins. These are compressed at a high temperature and pressure and protected by an exterior coating highly resistant to UV radiation and weathering.

High Pressure Laminate panel for external applications.

Designed to perform.



Parklex Facade panels include Everlook®, a component introduced into the wood to provide outstanding life-cycle benefit in terms of colour stability, in all climatic conditions. It also allows the development of new finishes to our range of timber veneers.

Parklex projects

St Johns Health Centre

London, United Kingdom
Architect: **Buschow Henley**

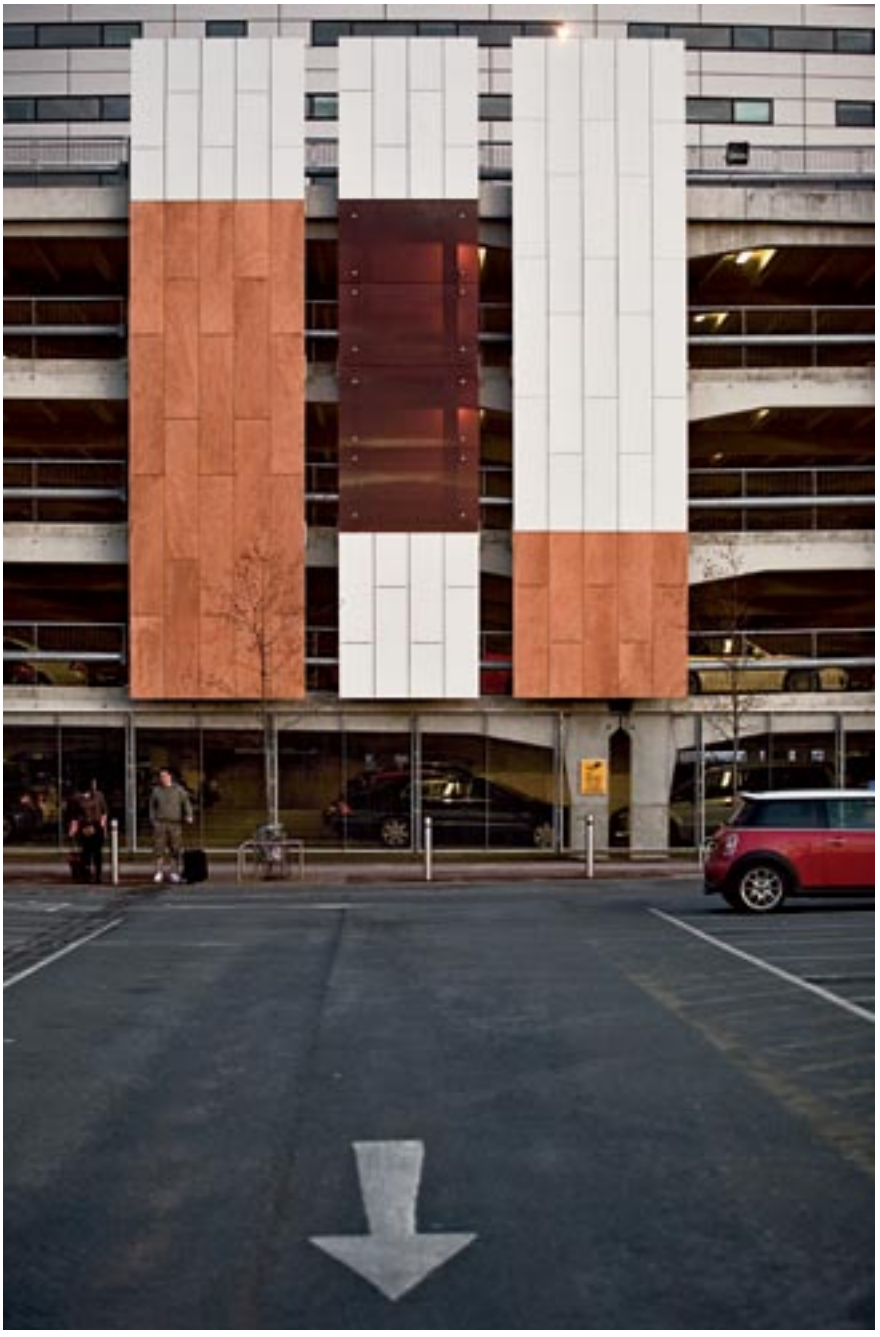
Alhambra Information Points

Granada, Spain.
Architect: **Francisco Martínez Manso, Rafael Soler Márquez**


CONSEJERÍA DE CULTURA

John Lennon Airport

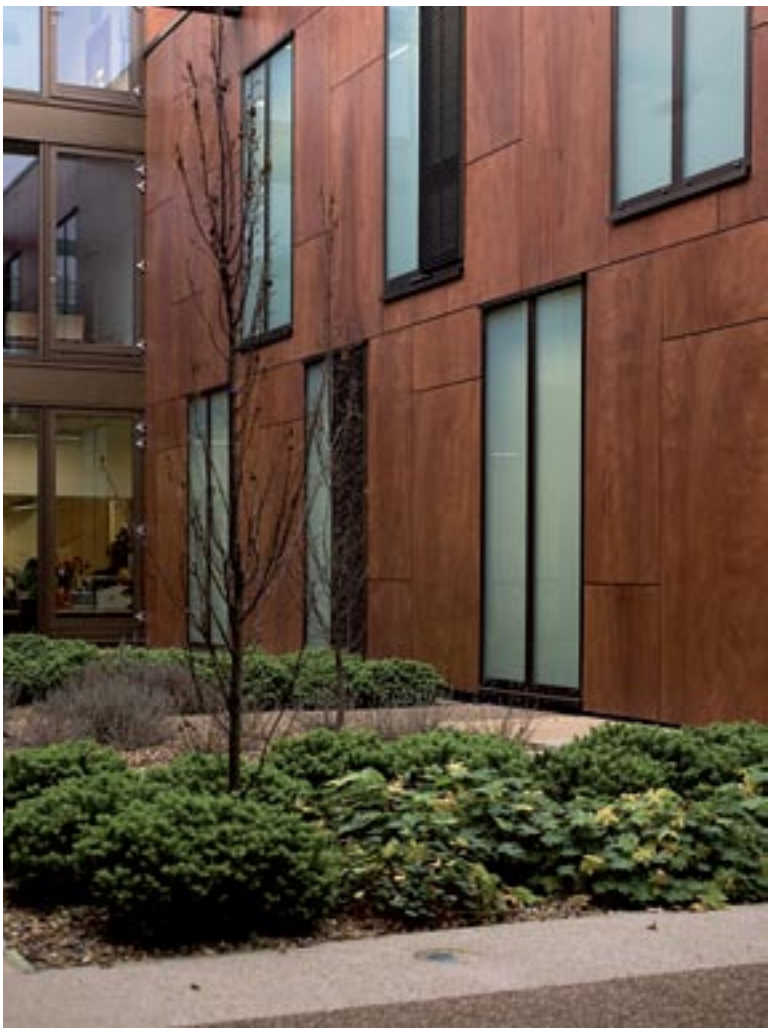
Liverpool, United Kingdom
Architect: **Leach Rhodes Walker**




Hampton
by Hilton

The Waldron Health Centre

London, United Kingdom
Architect: **Buschow Henley**



St Pauls Square

Liverpool, United Kingdom
Architect: **RHWL Architects**


PL
A


PLAZA

MUA
Alicante University Museum

Alicante, Spain
Architect: **Alfredo Paya**

Mason Hall

Birmingham, United Kingdom
Architect: **Aedas**

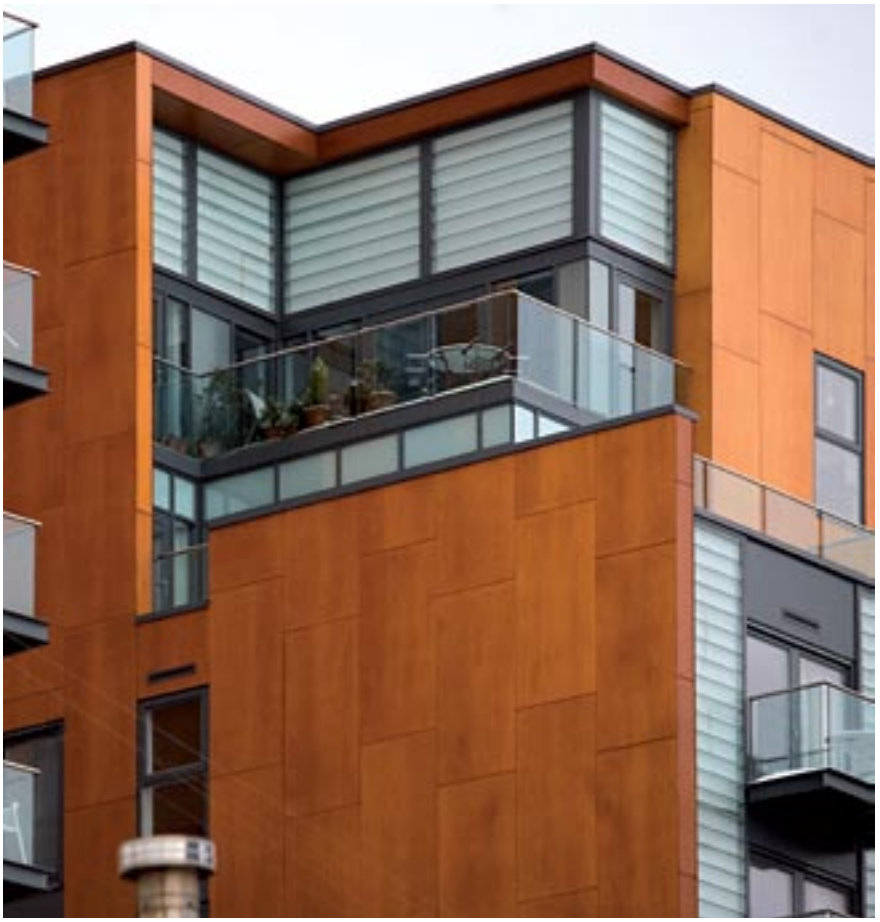
Miradores I-II Residential Building

Pozuelo de Alarcón (Madrid), Spain
Architect: **Ramón Andrada**

Skyline Central

Manchester, United Kingdom
Architect: **Jacobs Webber**


SIGNS



Private house

Liendo, Spain
Architect: **Jesús Mari Mendiola**

Centre Sociosanitari El Cedre

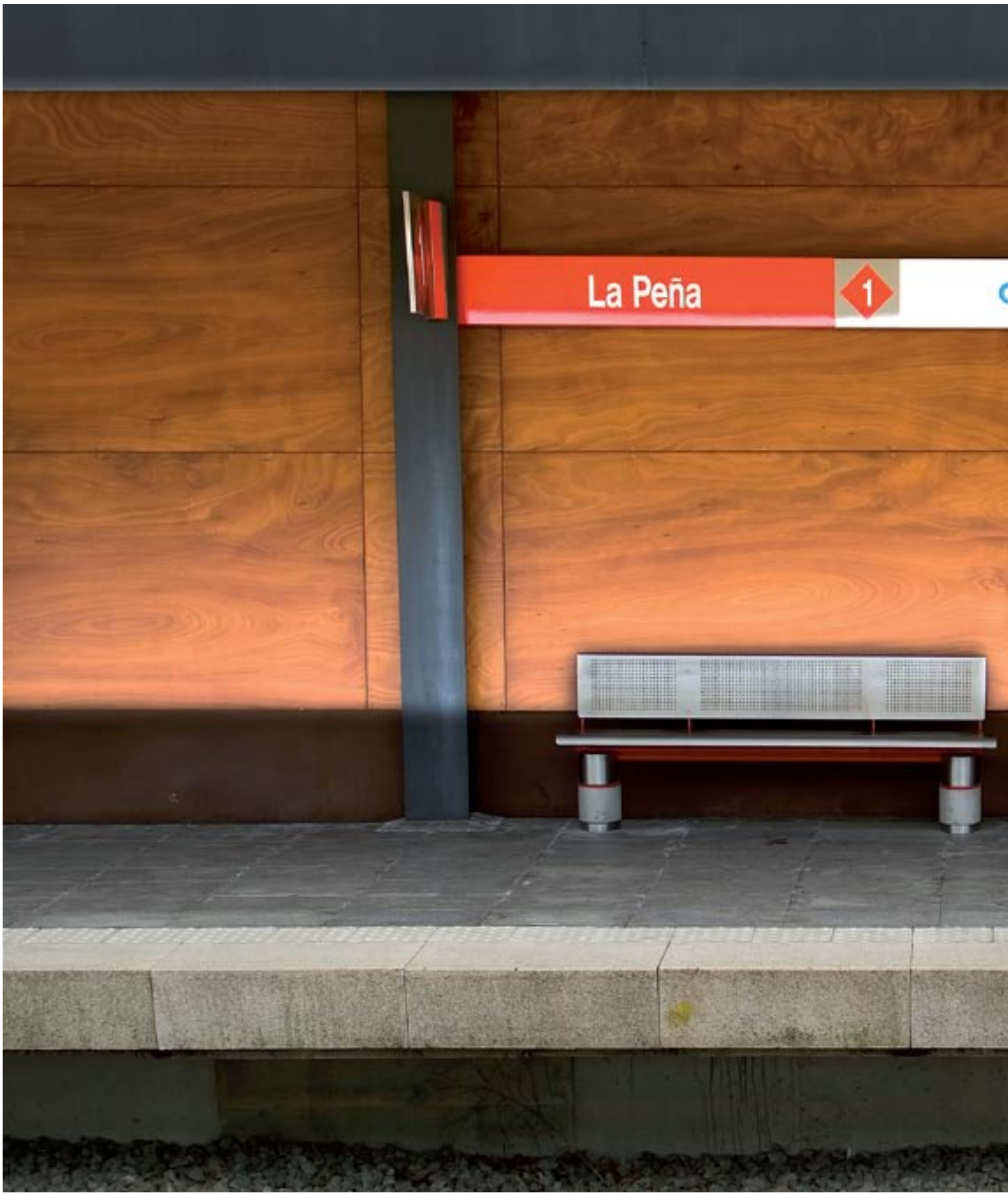
Santa Coloma, Andorra
Architect: **Pau Iglesias Rodríguez**

Nuova Sede Bertozzini

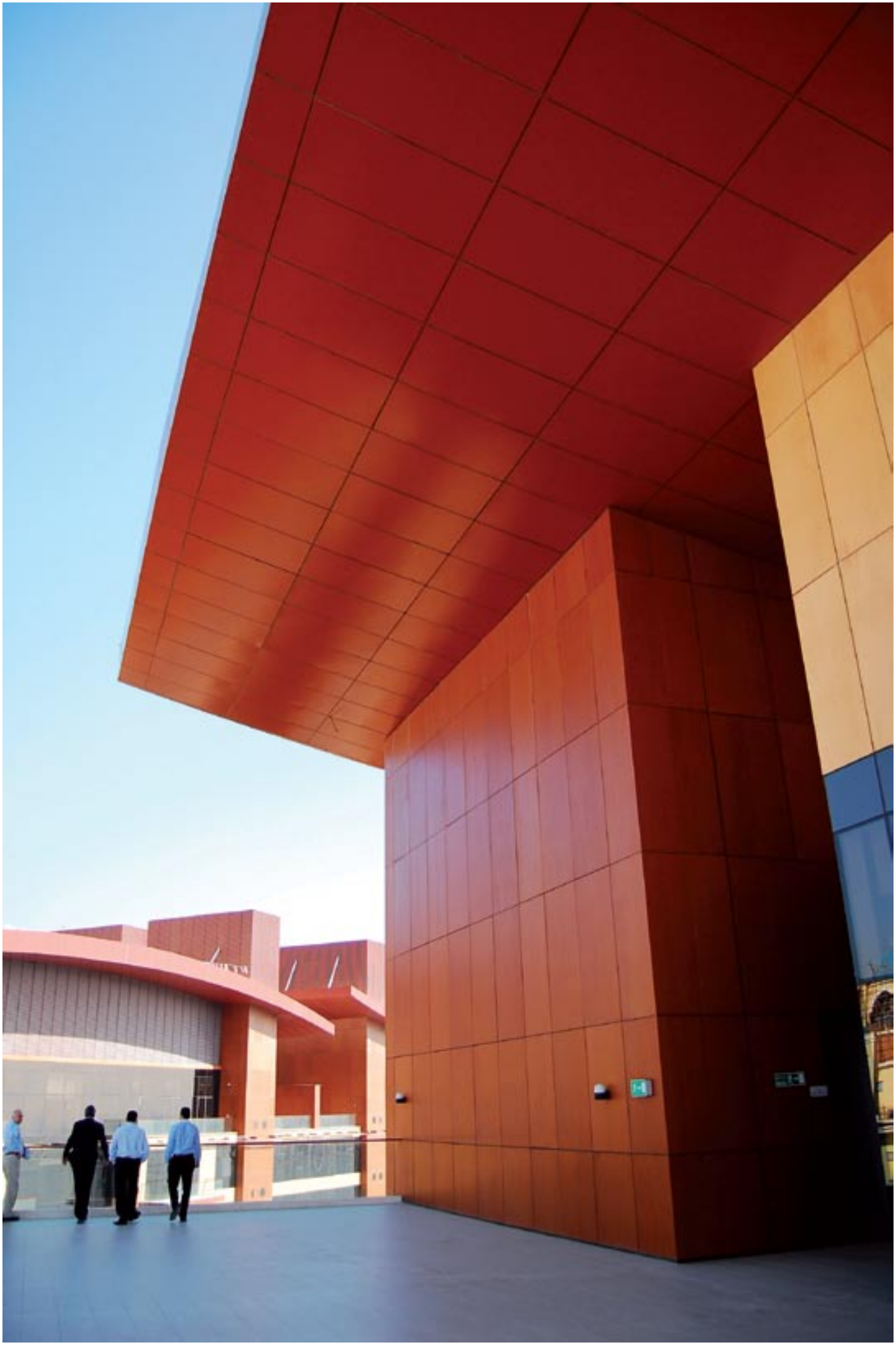
Pesaro, Italy
Architect: **Leone Pesaro**

La Peña Train Station

Bilbao, Spain
Architect: **Estudio GPD**




C-3 Bilbao
Salida/Irteera



Tiara Residential Building

Dubai, United Arab Emirates
Architect: **Dar Al Handasah**

Clouds

Faqra Club, Lebanon
Architect: **Nabil Gholam**

Metro Hotel

Seoul, South Korea
Architect: **Oh Moon-Seok (H&A)**

Hospital

Seul, South Korea
Architect: **Seo hae-chon**

Private House

South Korea

Morris Thompson Cultural & Visitors Center

Alaska, United States

Architect: **Charles Bettisworth & Company General**

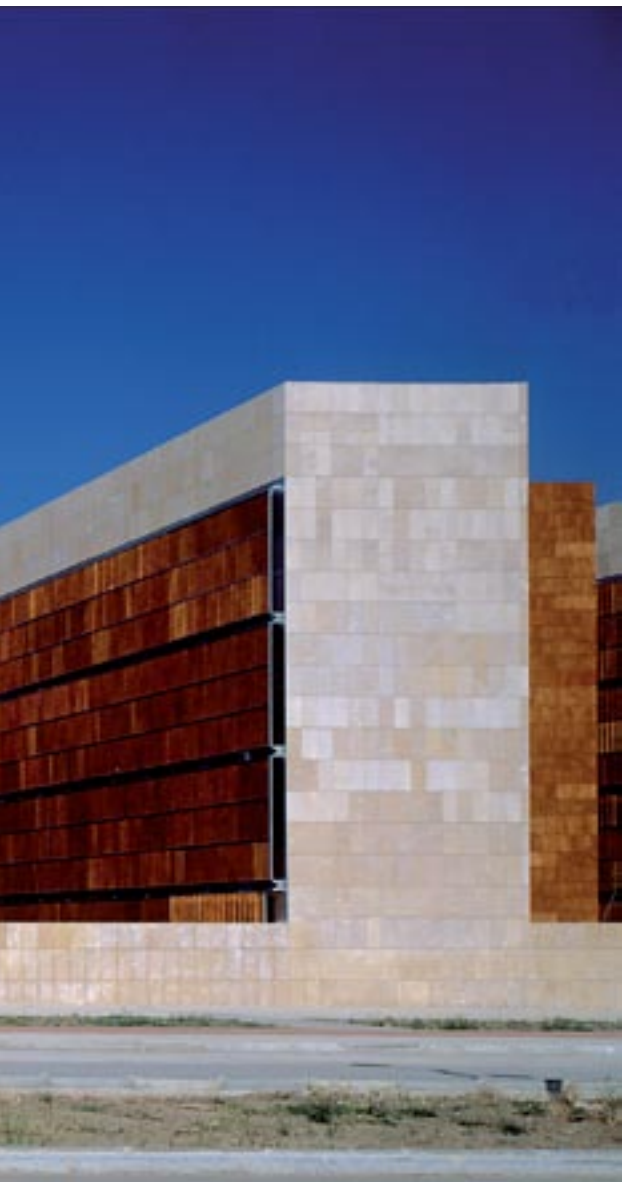
Contractor: **Ghemm Company Inc**

Photographer: **Preston Rudderow**

European Center for Business and Innovation

Granada, Spain.

Architect: **Francisco Martínez Manso, Rafael Soler Márquez**



Private House

South Korea
Architect: **Lima Yae Yong (OCA)**

Technical characteristics

About Parklex

Production process

Each type of Parklex panel is subjected to differing production processes, depending on the final application: interiors, exteriors, damp environments etc. The starting point is always natural timber veneer and a core of special papers, all treated with thermosetting resins and compressed under high pressure and temperature.

Natural wood

The surface is always made from 100% natural wood, treated according to its application: to resist special weather conditions or to perfectly resist the intensive use it might receive in interiors.

Finishes

Perfect integration into the project design is an essential requirement. That's why our patented technology allows for outstanding finishes in natural timber veneer to be introduced into the built environment. Each project is unique, just like the appearance of every Parklex panel.

Range

At Parklex we offer a huge variety of finishes and colours manufactured from both natural and pigmented timber veneers. Whatever the requirement, Parklex can satisfy market trends, both current and in the future.

International

Providing service on an international level has meant establishing an extensive network of Parklex distributors on all five continents. This allows us to work more closely with our clients and offer outstanding service at a local level. It also allows us to understand the varying technical requirements in each market.

Guarantees / Quality Certificates

Rigorous testing guarantees Parklex's excellent performance.

Architects

Global names in architecture specify Parklex for use on their most high profile projects. Why? Because they have confidence in our products and understand the technical and aesthetic benefits offered. The result often exceeds expectation. At Parklex, we have been working for over 15 years on a daily basis with architects from all over the world, including, for example, Santiago Calatrava, Frank Gehry, Norman Foster, Jean Nouvel and Nicholas Grimshaw, adapting our range to their requirements.

Our extensive experience has made Parklex the natural wood covering of choice for landmark buildings throughout the world. Our brand is synonymous with the guarantee of high quality materials adapted to the needs and expectations of our clients. Refer to our technical guidance notes for problem free installations.

Parklex – The ideal solution

Quality and Performance are synonymous with Parklex products. The technical and practical benefits are evident from the moment the installation is complete, for the life of the product. Specify Parklex for the most demanding projects and, unlike other wood products, enjoy natural timber without specific maintenance.

Characteristics

Ease of installation.

The floating flooring system is simple and low-cost. The rest of the products may be easily installed, following clear, professional instructions.

Maintenance.

Unlike most timber materials, our products do not require sanding, varnishing or oiling to maintain their long term appearance. Cleaning is simple, using liquid ph-neutral solutions with water. Graffiti can be removed with relative ease.

Acoustic absorption..

Parklex 500 and Parklex 700 may be perforated, making them the ideal materials for acoustic absorption. They have been manufactured specifically for interiors where the acoustic factor is important..

Service.

Parklex invest heavily in R & D, and also provide direct Technical Support to ensure that any questions concerning installation, certification or standards can be answered. We can also offer advice on the specification of the correct material for any project.

Strength.

Internally, many areas are subject to intensive wear from foot traffic. Our Gureprex® impregnation process into timber is designed to provide outstanding benefits with regard to resistance from abrasion, moisture, scratching and offers a low maintenance hard surface. Practically, our panels offer far greater dimensional and structural stability than varnished or oiled products.

Quality.

Parklex means quality. Our timber veneers are hand selected to ensure perfection. All products carry the CE mark, and are guaranteed for at least 10 years. Exterior panels are manufactured to the high standards necessary to comply with the stringent requirements of European Standard EN 438, which apply to HPL (high pressure laminate) materials. In fact, in many respects, our panels exceed the standards.

Moisture resistance.

Our patented production technology guarantees that every Parklex Façade panel will resist the most extreme weather conditions. Our process protects against snow, rain, sun, humidity and heat. The same manufacturing technology is applied to our internal products to offer exceptional performance in wet areas such as shower enclosures, sauna's and spa's.

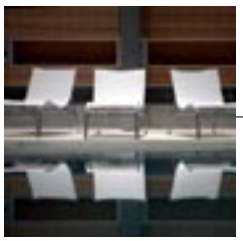
Fire Performance

Our complete product range has been tested to the European Standard EN 13.501-1:2002. The results prove that Parklex achieves the highest performance for organic materials. We also have national specific test data for other international markets. Please contact us for details.

Parklex product guide

Internal

- **Walls and ceilings**
  - **Damp areas** → **Parklex® 700**
    Stratified timber panels for internal use, with high resistance to humidity.



  - **Dry areas** → **Parklex® 500**
    Natural timber ceiling and wall finishes.

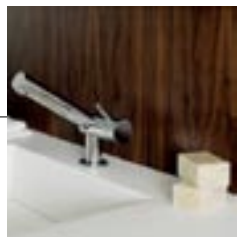
- **Floors**
  - **Floating parquet** → **Parklex® 2000**
    Natural timber floor for extreme wear environments.

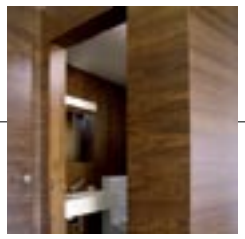
  - **Raised flooring** → **Parklex® 3000**
    Natural timber finish for full access raised floors.

External

- **Facades** → **Parklex® Facade**
  High-density stratified timber panels for external use.





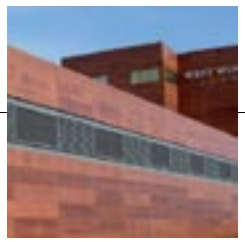











Parklex Facade

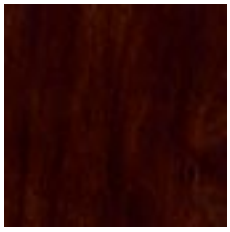
High-density stratified timber panels for external use.

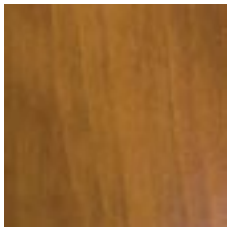
Parklex Facade is a high-density stratified timber panel manufactured from kraft paper treated with resins thermoset under high pressure and temperature, finished with natural timber veneers highly resistant to UV radiation and atmospheric agents.

Parklex Facade includes **Everlook®**, a special overlay that dramatically increases the normal life of the panel, improving UV resistance and colour stability. It also allows for the de-velopment of new panels with an extensive range of finishes.

Finish range


Ambar


Antra


Copper


Gold


Onix

Quartz


Rubi


Silver

Surface characteristics

Smooth. Traditional Parklex finish. Reveals the simple, natural beauty of the real timber veneer from which the panel is manufactured.

Panel construction

Quality that's plain to see

Water resistant.

Parklex is successfully installed in a wide range of climatic environments throughout the world. Our extensive manufacturing experience and commitment to R & D has allowed us to develop a unique timber building material able to withstand the harshest weather conditions. In addition, our process provides timber panels for use in the aggressive environments created in and around swimming pools, spas and shower rooms.

Sun resistant.

One of the enhanced features of the new Facade panel is its high resistance to UV degradation, sunlight being the harshest natural element. As a progressive company, at Parklex we constantly thrive to deliver superior performance by way of advanced manufacturing techniques in panel production. Our materials offer the highest level of colour stability possible, whilst maintaining the beauty and variations found with natural timber.

Anti-graffiti and maintenance.

It is an unfortunate fact of life that many of the best architectural projects have their appearance marred by the random application of graffiti, often applied with cellulose based spray paints.The surface of Parklex Facade has been specifically designed to ensure the simple removal of the graffiti, without damage to the panel characteristics or appearance. In addition, Parklex Facade resists soiling by airborne pollutants, and requires a very low frequency of general cleaning. Both important factors when considering the ongoing cost of building maintenance.

Long term performance.

At Parklex we don't settle for simply complying with the necessary regulations. We strive to produce materials which far exceed the performance requirements laid down in the European Regulation EN 438-6:2005. This norm specifies a result after Artificial Weather Conditions Resistance Tests of 3.000 hours. After extensive development, Parklex Facade has achieved a result for most finishes of more than twice the published requirement. As leaders in our field, we don't just comply with regulations, we exceed. Which is exactly what our clients expect.

Technical characteristics

Thickness ≥ 6mm

Tests	Standard	Property or attribute	Measurement unit	Resultado	
				Parklex Facade S (Standard) Rev: 06 (09.2009)	Parklex Facade F (Fire class) Rev: 07 (09.2009)
1. Inspection requirements					
Colour, pattern and surface finish	EN 438-8 Part 5.2.2.3	Due to the fact that wood is a natural product, each veneer may be considered as unique. Colour and structure differences are considered as normal. Singularities such as knots and resin inclusions are not considered as defects, but as a part of the décor. There are differences in light fastness performances depending on the wood species and the source of the wood.			
2. Dimensional tolerances					
Thickness (t)	EN 438-2 Part 5	6,0 ≤ t < 8,0	mm	± 0,40	
		8,0 ≤ t < 12,0		± 0,50	
		12,0 ≤ t < 16,0		± 0,60	
		16,0 ≤ t < 20,0		± 0,70	
		20,0 ≤ t < 25,0		± 0,80	
Length and width	EN 438-2 Part 6	–	mm	+10 / - 0	
Edge straightness	EN 438-2 Part 7	–	mm/m	1,5	
Edge squareness	EN 438-2 Part 8	–	mm/m	1,5	
3. Physical properties					
Dimensional stability at elevated temperatures	EN 438.-2 Part 17	Cumulative dimensional change (t≥6_mm)	% max Longrain	0,3	
			% max Crossgrain	0,6	
Resistance to impact with large diameter ball	EN 438-2 Part 21	Maximum height for which no visible surface cracking or imprint greater than 10mm (t≥ 6mm)	mm	≥ 1.800	
Tensile strength	EN ISO 527-2	Longrain	MPa	≥ 60	
		Crossgrain			
Determination of graffiti resistance	ASTM D 6578:2000	Cleanability level	Permanent blue marker	4	
			Spray red paint	4	
			Wax black crayon	1	
			Water based black marker	2	
4. Weather resistance requirements					
Resistance to UV light	EN 438-2 Part 28 Rating according to EN 20105 – A02	Contrast	Grey scale rating	≥ 3	
		Aspect	Rating	≥ 4	
Resistance to artificial weathering (including light fastness)	EN 438-2 Part 29 Rating according to EN 20105 – A02	Contrast	Grey scale rating	≥ 3	
		Appearance	Rating	≥ 4	
5. CE Safety requirements					
Water vapour permeability	EN 438-7 Part 4.4	Wet cup method	μ	110	
		Dry cup method		250	
Resistance to fixings	EN 438-7 Part 4.5	Screw holding value t ≥ 6_mm	N	> 2.000	
		Screw holding value t ≥ 8_mm		> 3.000	
		Screw holding value t ≥ 10_mm		> 4.000	
Flexural strength	EN ISO 178	Longrain	MPa	≥ 80	
		Crossgrain		≥ 80	
Flexural Modulus	EN ISO 178	Longrain	MPa	≥ 9.000	
		Crossgrain		≥ 9.000	
Thermal resistance / Conductivity	EN 12664	Thermal conductivity (_)	W/m K	0,261	0,263
Resistance to climatic shock	EN 438-2 Part19	Appearance	Rating	≥ 4	
		Flexural strength	Ds Rating	≥ 0,95	
		Elastic modulus	Dm Rating	≥ 0,95	
Density	EN ISO 1.183	Density	g/cm³	≥ 1,35	
Resistance to wet conditions	EN 438-2 Part 15	Moisture absorbed	%	≤ 5	≤ 8
		Appearance	Rating	≥ 4	
6. CE Safety requirements - Reaction to fire					
Reaction to fire	EN 13.501-1	Euroclass t ≥ 3 mm	Classification	–	C-s2,d0
		Euroclass t ≥ 6_mm		D-s2,d0	B-s2,d0
		Euroclass t ≥ 8_mm		C-s1,d0	B-s2,d0

Panel dimensions

Length (grain direction) x width	2440 x 1220 mm	**Thickness***	3, 6, 8, 10, 12,14, 18, 20 & 22 mm

* 3 and 6 mm can only be used for special applications. Other thicknesses may be available upon request.

Other Parklex products

Parklex® 700

Stratified timber panels for internal use,with high resistance to humidity.

Parklex 700 is a high-density stratified natural timber panel, made from kraft paper that has been treated with thermoset resins compressed under high pressures and temperatures, finished with natural timber veneers.

Finish range

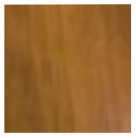

Ambar (2)


Antra (2)


Ayous Natural


Black (2)


Cherry (1)


Copper (2)


Eucalyptus (1)

Museum Ash (1)


Gold (2)


Grey Beech (1)


Natural Beech (1)


Green Beech (1)


Maple (1)


Walnut (1)


Onix (2)

Quartz (2)


Natural Oak (1)


Reconstituted Oak (1)


Rubi (2)


Sapelli (1)


Silver (2)


Wengue (1)


Natural Zebrano (1)

(1) Panels manufactured from joined timber veneers. There may be as many as 12 veneer pieces in each full panel (16 in the case of stained finishes).

Surface characteristics

Woodskin®. A finish that allows you to feel the grain and subtlety of natural timber.

Smooth. Traditional Parklex finish. Reveals the simple, natural beauty of the real timber veneer from which the panel is manufactured.

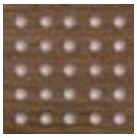
(2) Available only in a Smooth surface finish.

Special finishes


Chequerplate Rubber


Smooth Rubber


Chequerplate


Perforated

Assembly systems *

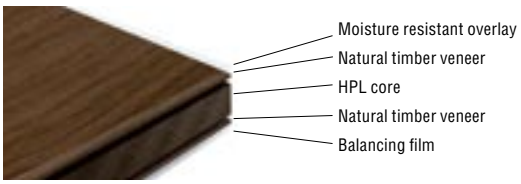
Exposed fastening. The Parklex panels are fastened with stainless steel screws or rivets to the treated wood or metal substructure.

Hidden fastening, using adhesive. The Parklex panels are fastened using adhesive to the treated wood or metal substructure.

Hidden fastening, with special hanging profiles. The Parklex panels are attached to the aluminum substructure, using guide profiles and hanging pins.

Hidden fastening, with caps. The Parklex panels are attached with screws hidden by caps with a diameter of 10,75mm and a section of 2mm, using the same material and finish as the panel.

Panel construction



* For more information on installation, consult the Internal Parklex Assembly Catalogue or our web page (www.parklex.com).

Private House
(Guipúzcoa, Spain)

Interior design:
Javier Machimbarrena

Photographer:
Susana Aréchaga and Luis M. Ambrós

Parklex 700

Other Parklex products

Parklex® 500

Natural timber ceiling and wall finishes.

Parklex 500 is a timber panel manufactured from 100% natural timber fibres, pressed under high temperatures and impregnated with thermoset resins using our exclusive Gureprex system.

(1) Panels manufactured from joined timber veneers. There may be as many as 12 veneer pieces in each full panel (16 in the case of stained finishes).

Gama de acabados


Ambar


Antra


Ayous Natural


Bamboo (1)


Black


Cherry (1)


Eucalyptus (1)

Museum Ash (1)


Grey Beech (1)


Natural Beech (1)


Green Beech (1)


Maple (1)


Walnut (1)


Onix


Natural Oak (1)


Reconstituted Oak (1)


Rubi


Sapelli (1)


Wengue (1)


Natural Zebrano (1)

Surface characteristics

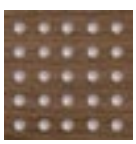
Woodskin®. A finish that allows you to feel the grain and ubtlety of natural timber.

Panel construction

Wood

Acoustics


Slots


Perforated

Parklex 500 acoustic is designed for interior wall and ceiling finishes requiring high levels of acoustic absorption.

It is machined in different forms and dimensions allowing for the desired level of acoustic performance.

Assembly systems*

Exposed fastening. The Parklex panels are fastened with stainless steel screws or rivets to the treated wood or metal substructure.

Hidden fastening, using adhesive. The Parklex panels are fastened using adhesive to the treated wood or metal substructure.

Hidden fastening, with special hanging profiles. The Parklex panels are attached to the aluminum substructure, using guide profiles and hanging pins.

Hidden fastening, with caps. The Parklex panels are attached with screws hidden by caps with a diameter of 10,75mm and a section of 2mm, using the same material and finish as the panel.

* For more information on installation, consult the Internal Parklex Assembly Catalogue or our web page (www.parklex.com).

Entrance Hall
(Pamplona, Spain)

Architect:
Iñigo Beguiristain
e Iñaki Bergara

Parklex 500

Other Parklex products

Parklex® 2000

Natural timber floor for extreme wear environments.

Parklex 2000 is a natural timber floating floor made from the highest quality veneers, impregnated using our exclusive Gureprex system. This provides extraordinary qualities of dimensional stability and resistance to both abrasion and humidity.

(1) Panels manufactured from joined timber veneers. There may be as many as 12 veneer pieces in each full panel (16 in the case of stained finishes).

Finish range


Ambar


Antra


Ayous Natural


Bamboo (1)


Black


Cherry (1)


Eucalyptus (1)

Museum Ash (1)


Grey Beech (1)


Natural Beech (1)


Green Beech (1)


Maple (1)


Walnut (1)


Onix


Natural Oak (1)


Reconstituted Oak (1)


Rubi


Sapelli (1)


Wengue (1)


Natural Zebrano (1)

Surface characteristics

Matt. A finish that provides a high quality, comfortable surface appearance that only authentic natural timber can provide.

Maintenance and cleaning

Maintenance. The non-porous nature of the surface prevents the penetration of dirt. Parklex 2000 requires no specific stripping or re-finishing.

Cleaning. Mop with water and (neutral) gel soap.

Resistance to abrasion

Resistance to abrasion • AC4

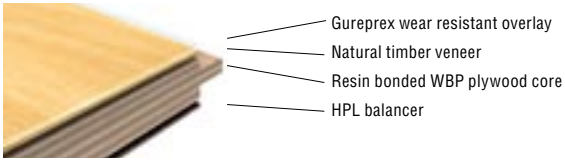
Assembly systems*

Floating parquet. Floating installation of boards glued tongue-in-groove over a layer of insulation.

Glued. Installation of tongue-in-groove boards that are adhered to waterproof DM, using lines of adhesive.

Parquet over underfloor heating. Installation as floating parquet over underfloor heating.

Panel construction



Wood

* For more information on installation, consult the Internal Parklex Assembly Catalogue or our web page (www.parklex.com).

Parklex is manufactured from fine timber veneers, therefore the colour and grain of different batches will exhibit natural variations. Due to the limitations of printed media, the finishes printed in this catalogue are merely an approximation of their real color. For this reason, before placing any order, Parklex recommends consulting our sales personnel to request actual samples.

La Perla Hotel
(Pamplona, Spain)

Architect:
Javier Martínez Oroquieta

Project Manager:
César Caicoya

Parklex 500 Walnut,
Parklex 2000 Walnut

Puerta de América Hotel
(Madrid, Spain)

Architect:
Jean Nouvel

Parklex 2000

Otros productos Parklex

Parklex® 3000

Natural timber finish for full access raised floors.

Parklex 3000 is a high-density stratified timber panel, impregnated using our exclusive Gureprex system. It may be adhered to any type of support material (fibreboard, MDF, fibre cement, galvanised steel etc.) normally used to construct full access floors.

(1) Panels manufactured from joined timber veneers. There may be as many as 12 veneer pieces in each full panel (16 in the case of stained finishes).

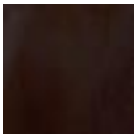
Finish range


Ambar


Antra


Ayous Natural


Bamboo (1)


Black


Cherry (1)


Eucalyptus (1)

Museum Ash (1)


Grey Beech (1)


Natural Beech (1)


Green Beech (1)


Maple (1)


Walnut (1)


Onix


Natural Oak (1)


Reconstituted Oak (1)


Rubi


Sapelli (1)


Wengue (1)


Natural Zebrano (1)

Surface characteristics

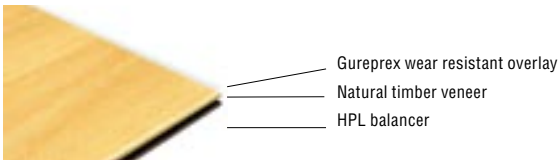
Matt. A finish that provides a high quality, comfortable surface appearance that only authentic natural timber can provide.

Assembly systems

Hidden fastening, using adhesive. The Parklex panels are attached to different types of supports, using adhesive.

* For more information on installation, consult the Internal Parklex Assembly Catalogue or our web page (www.parklex.com).

Almas soporte



Wood

Parklex is manufactured from fine timber veneers, therefore the colour and grain of different batches will exhibit natural variations. Due to the limitations of printed media, the finishes printed in this catalogue are merely an approximation of their real color. For this reason, before placing any order, Parklex recommends consulting our sales personnel to request actual samples.

Beroa Bar
(Guipúzcoa, Spain)

Design:
Estudio Formak

Parklex 500, Parklex 2000

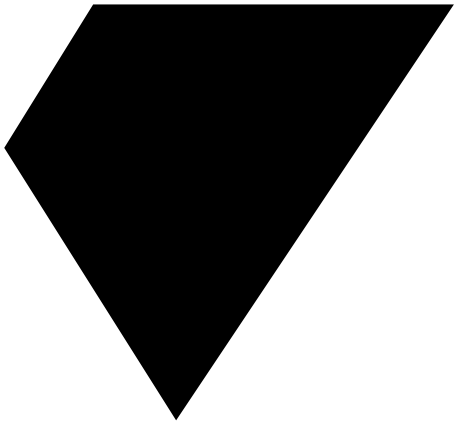
Quality & Environment

Parklex products may be installed in both internal and external environments. They are subject to constant wear from the sun, humidity and abrasion in extreme traffic areas. For this reason, a great deal of effort and investment in R+D is made, ensuring the durability and stability of Parklex coverings. Since 2003, Parklex has implemented the **ISO 9001** Quality Management System in order to ensure our products and the excellent service we provide to our clients are consistently delivered.

Parklex Facade panels are subjected to rigorous testing both at our in-house R & D Department as well as independent, accredited laboratories throughout the world. Our commitment to quality ensures the outstanding performance of our products. Parklex Facade complies with (and often exceeds) the standards laid down by international certification schemes, including DIT plus (Spain), AVIS Technique (France), Zulassung (Germany), CWCT and BBA (United Kingdom), as well as other national schemes throughout the world.

Being acutely aware of the importance of caring for our environment with responsible, sustainable production, Parklex has earned PEFC certification. This prestigious chain-of-custody certification is a guarantee that Parklex is collaborating with the sustainable maintenance and improvement of forests and the environment.

With this certification, Parklex is clearly demonstrating a commitment to the responsible acquisition of the raw materials used in our products. We want to work with nature, not compromise it. Furthermore, all technical innovations on new product lines will abide with a philosophy of respect for the environment and sustainable production processes. Parklex is manufactured from wood and wood based materials, therefore the long term protection of this natural resource is fundamental to our business.



Parklex®

Parklex® Facade

Parklex® 700

Parklex® 500

Parklex® 2000

Parklex® 3000

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AENOR ER-0370/2003

PEFC PEFC/14-35-00042

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