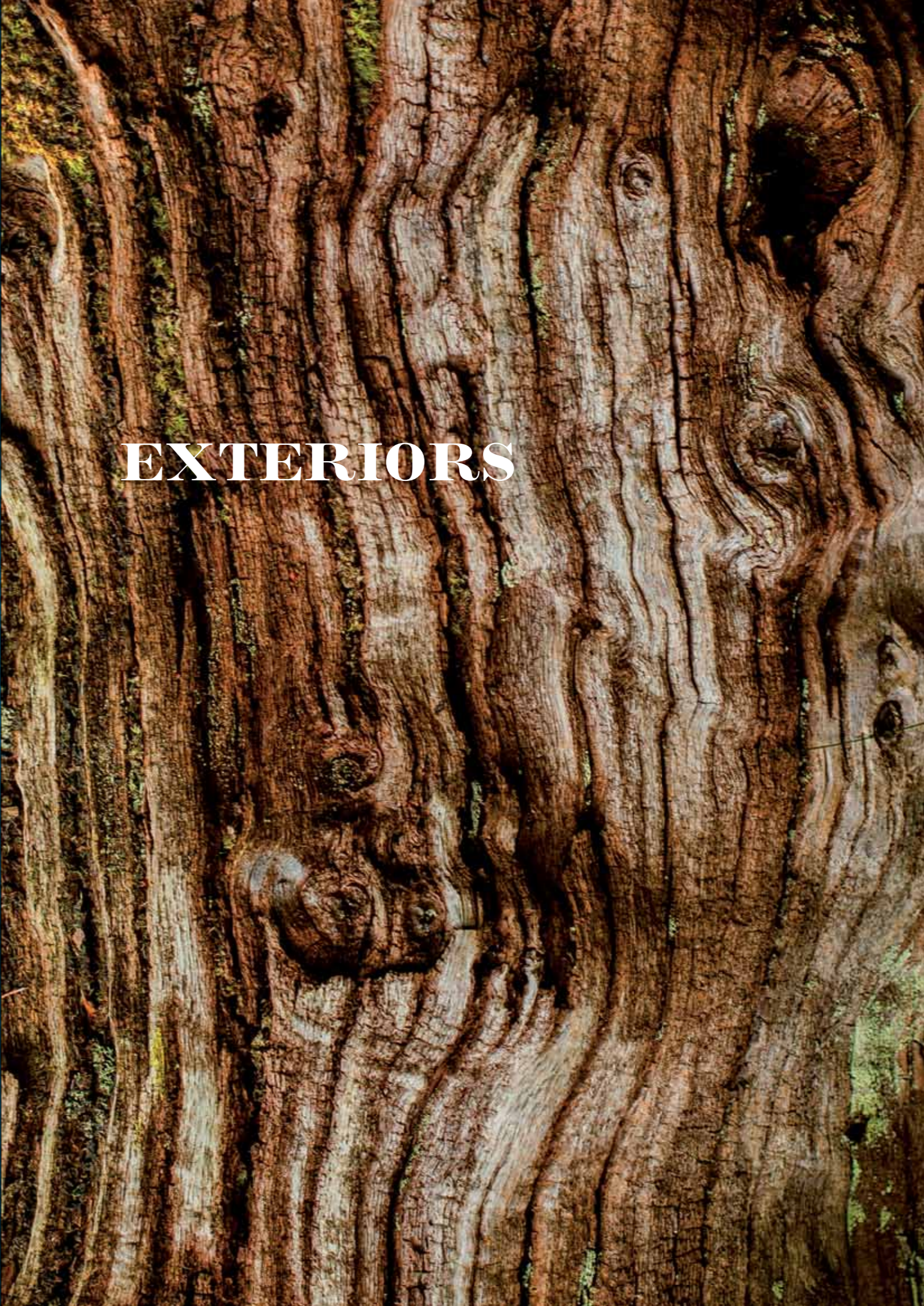


ProdEX
exteriors by Prodemá

NATURAL WOOD EXTERIORS

Prodemá
NATURAL WOOD BEAUTY



EXTERIORS



● ProdeMa Dealers / Representatives



NATURAL WOOD BRINGS YOUR PROJECTS TO LIFE

Natural wood enhances the look of any building giving each and every one its own unique style and beauty.

Here at **Prodema** we have a profound respect for nature and we have developed a natural high-tech product which is highly durable and a pioneer in its field.

A natural wood product that brings your projects to life.



WE PRODUCE A HIGH QUALITY PRODUCT WITH NATURAL WOOD

At **Prodema** we specialize in creating natural wood products of the highest quality for the world of architecture and interior design. Following years of research and development, we are proud to offer a unique, innovative, high-tech product with no need for the regular maintenance usually required by wood exteriors.

We've incorporated an outer film of PVDF to give our natural wood the best protection from external sources, so **ProdEX** panels have no need for regular maintenance. This PVDF film is also anti-graffiti and non-stick, preventing organic matter from developing on the panel's surface and reducing the build-up of dust and dirt caused by pollution.



THE ELEGANCE OF NATURAL WOOD

Our objective is to provide the world of architecture with unique materials that help architects design beautiful, comfortable spaces that improve the quality of life for all.

We create façades with a unique style that blend in perfectly with natural and urban surroundings alike.

Energy efficient buildings with the elegance of natural wood.



ProdEX THE PERFECT SKIN FOR VENTILATED FAÇADES

Each natural wooden skin has its own unique natural wood grain, combining the beauty of a natural material with excellent protection, energy efficiency and comfort.

ProdEX makes an excellent cladding material for ventilated façades offering protection from rain, sunlight and external temperature changes. **ProdEX** prevents water from penetrating walls and insulation leaving them moisture free thanks to the air circulation behind the panels.

Buildings created this way, with perfect thermal insulation all year round, offer increased comfort by reducing indoor temperature variations and provide excellent energy savings.

In addition to all of this, its quality, versatility, ease of installation and minimum maintenance means that **ProdEX** creates the perfect covering for ventilated façades, filling your buildings with life.





CREATIVITY WITHOUT BOUNDARIES

ProdEX offers architects creativity when designing innovative buildings. It provides beauty in its warm and elegant appearance and versatility as a product and in its installation, making it the ideal product for innovative façade design. It boasts the quality of a highly resistant product which at the same time is 100% environmentally friendly.

At **Prodema** we work hard to be a source of inspiration in the design world.



COMMITTED TO NATURE

At **Prodema** quality, design and innovation are of utmost importance to us. However, our respect for **nature** is even more important: being both our source of material and our inspiration. At **Prodema** we work to promote sustainable construction by maximizing wellbeing with environmental efficiency in building projects.

We are proud to say we have become the world leader in our category having been awarded **ISO 14006 certification in ECODESIGN**.

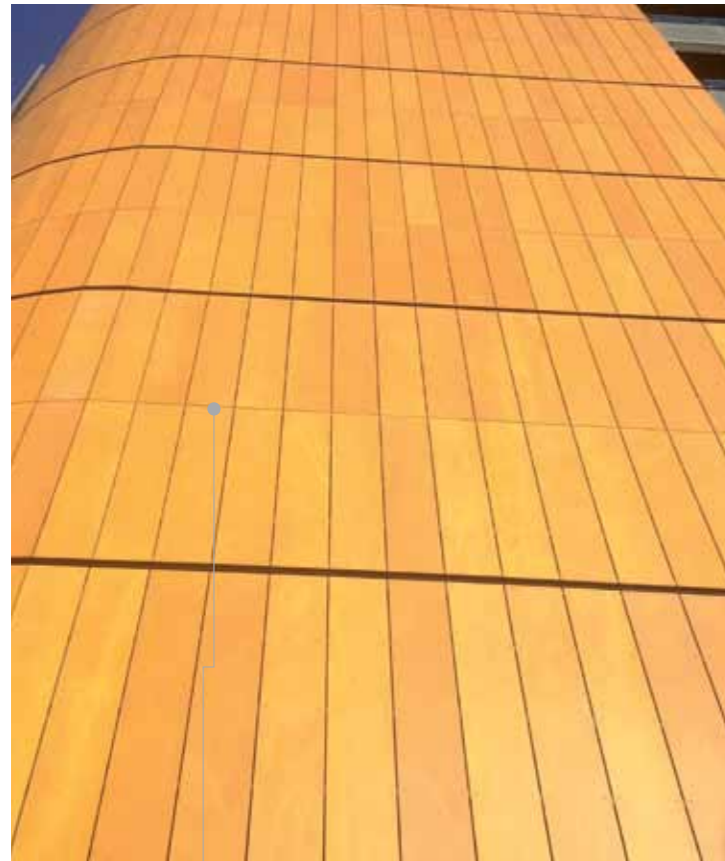
Using **Prodema** also provides **points in green building certification schemes such as LEED** (Leadership in Energy and Environmental Design) or **BREEAM** (Building Research Establishment Environmental Assessment Methodology).

Prodema also boasts **PEFC** certification the guarantee that our products have been manufactured with raw forest materials managed in a socially and environmentally responsible way.

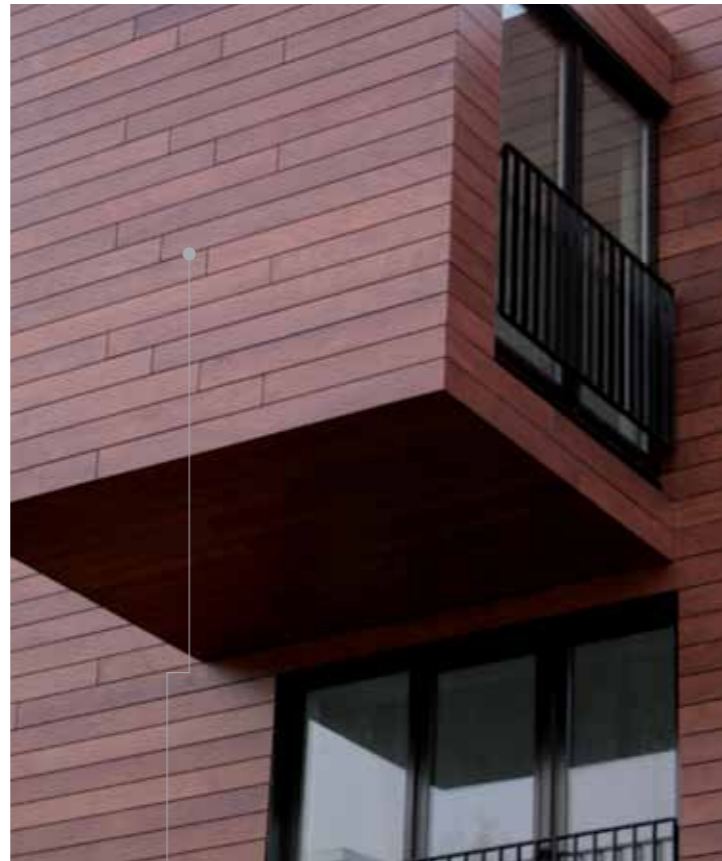
1 ProdEX MATERIALS

1.1 CHARACTERISTICS OF NATURAL WOOD

ProdEX panels are veneered with 100% natural wood. Each piece is unique, each grain is special: no two panels are identical. These qualities can be observed when sunlight reflects off the wood's fibers and unlike other exterior wood products ProdEX is maintenance free.



VARIATIONS IN COLOR, TONE, AND SHINE ON DIFFERENT PANELS MANUFACTURED WITH THE SAME WOOD TYPE



TRANSVERSAL MIRROR IMAGES IN THE WOOD



DARKER AREAS INHERENT TO THE NATURAL WOOD



KNOTS AND HOLES LEFT BY THE BRANCHES

NATURAL QUALITIES

A panel can appear totally different depending on the degree of natural light that shines on the surface.



1.2 PANEL COMPOSITION

ProdEX panels have a bakelite core covered with a natural wood veneer that is specially treated to ensure maximum resistance.

We have developed an exterior PVDF film with non-stick qualities in order to achieve a maximum level of care for the wood, ensuring panels are protected from moisture, rain, sunlight, and even the build-up of dirt on the panels' surface.



1.3 MAIN CHARACTERISTICS

The different layers of materials give the panel its unique qualities:

MAINTENANCE-FREE

- **ProdEX** natural wood panels do not need the regular maintenance other woods for exterior require.

AESTHETICS

- **ProdEX** panels offer the design world the possibility to create natural, living façades with a wide range of tones and creative options available.

RESISTANCE AND DURABILITY

- **ProdEX** panels are the perfect material for cladding façades thanks to the panel's technical qualities. The panel's bakelite core means it is possible to adjust the panel's thickness and its subsequent technical qualities making prodex the ideal solution for all types of projects.

ProdEX panels are extremely hard, rendering them perfectly resistant to continuous exposure to sunlight and sharp changes in temperature and humidity.

They also offer a high level of durability against termite attacks and maximum resistance to vandalism.

ProdEX panels also offer **excellent dimensional stability**.

CLEANING

- The PVDF surface prevents dust and all kinds of dirt from sticking to the panel surface, ensuring ease of maintenance and cleaning.

ANTI-GRAFFITI

- The outer chemical non-stick layer impregnated into **ProdEX** panels prevents aerosol paint from sticking permanently to the surface.

FIRE RATING

- On request, panels may be supplied with different reactions to fire in line with standard EN 13.501-1:

- ✓ **ProdEX C - s2, d0**
- ✓ **ProdEX IGN B - s2, d0**
- ✓ **ProdEX FIREPROOF B - s1, d0**

- This European standard awards classifications for the reaction to fire of all construction products.

- Classes A1 & A2 are reserved for inert materials such as glass, stone or metal.

- Flammable construction products are categorized from class B to class F, the highest being class B

- Products may also receive an additional classification:

- Smoke production: classified from s1 to s3, with s1 being the highest class.
- Drops/particle in flames: classified s1 to s3, with s1 being the highest class.

Download the latest technical specifications here.



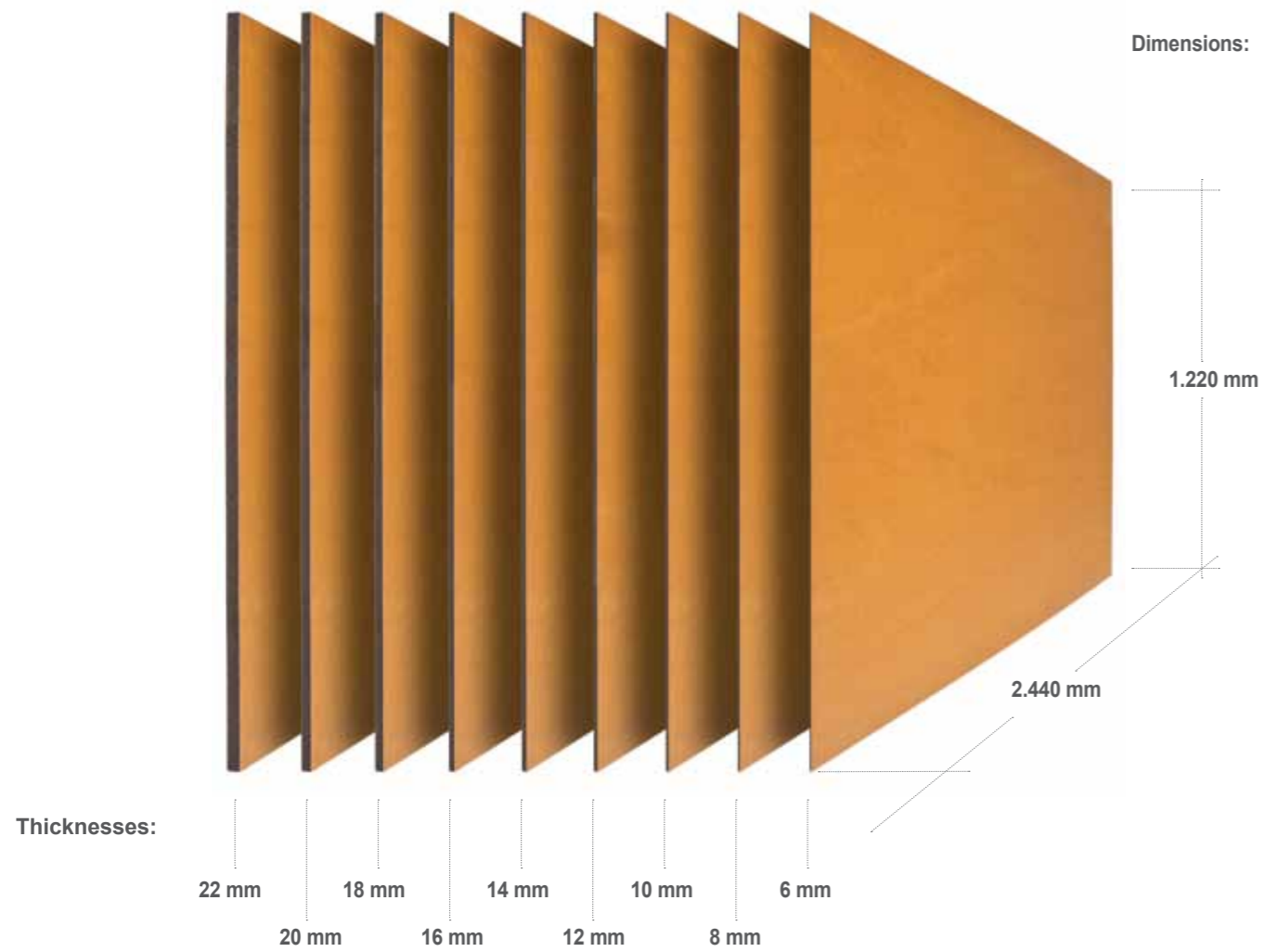
These Fire rating classifications are per European test standard EN 13.501-1.
If you wish to know the equivalents in your area please contact your local sales representative.

1.4 DIMENSIONS

ProdEX panels are extremely versatile and can be cut into any shape or size to adapt to the needs of all projects. Just follow the cutting instructions set out in the technical catalogue.

Panel dimensions:

Length x width: 2.440 mm x 1.220 mm



Thicknesses:

Dimensions:

1.220 mm

2.440 mm

1.5 COLORS

Prodema panels are unique pieces of natural wood. No two panels are the same: they all offer subtle variations in tone, above all in direct sunlight falls on their fibers, producing different tones in the natural grain.



There can be variations of colour in the panel edge depending on the production process.

ROTARY CUT WOODS

AYOUS VENEER



OKOUME VENEER



A close-up photograph of a building facade featuring dark brown, rectangular panels. Three narrow, vertical windows are visible, reflecting the sky and surrounding environment.

Dark Brown

TIERKLINIK LEIPZIG HOUSE
LEIPZIG / GERMANY

A photograph of a building facade with light brown, rectangular panels. A large, curved, light brown structure with a glass window is prominent. The window reflects the sky and surrounding environment.

Light Brown

TITAN PLAZA
BOGOTÁ / COLOMBIA



Pale

HOTEL BONIFACIO SPA & SPORT RESORT
SOCHOCIN / POLAND



Cream

WHITEHORSE EMERGENCY RESPONSE CENTRE
WHITEHORSE / CANADA

Ice Grey



Mocca

EL CUBO
BOGOTÁ / COLOMBIA



Deep Brown

PRODEMA HEADQUARTERS
LEGORRETA / SPAIN

Rustik

CASA UNIFAMILIAR
BADAJOZ / SPAIN

DEVELOPMENT OF NEW COLORS

In order to give an exclusive character to the most special projects, **ProdEX** offers panels of genuine natural wood in colors such as Mint and Nux which provide all the originality and beauty your project requires.

Mint



Nux



MOUNTING SYSTEMS

• **Exposed:** This is the most common mounting system employed with **ProdEX** panels: simple, strong and more cost-effective than other systems. Although the screws and rivets are visible, they are lacquered in the same color as the panels. Meaning that they can barely be seen, they are actually invisible just a short distance from the wall. Their impact on the façade is minimal and they do not affect the natural appearance of the façade in any way.

• **Concealed:** The concealed fixing system, available for both walls and ceilings makes the mounting system completely invisible to the human eye. It is perfect for use in areas which require a completely smooth and level surface.

WALLS: EXPOSED



WALLS: CONCEALED



SUSPENDED CEILING: CONCEALED FIXINGS



SUSPENDED CEILING: VISIBLE FIXINGS



LOUVERS

Louvers are the perfect complement to a ventilated façade, they are designed to cover glass spaces and other surfaces and make it possible to control sunlight as well as energy consumption within a building.

• BENEFITS

- Protection from sunlight.
- Optimal energy consumption.
- Quality of life.
- Natural aesthetic beauty.
- Guaranteed resistance and durability.
- Ease of installation.
- Cost savings.
- Sustainability and harmony with nature.



CLAPBOARD FAÇADE

We offer a concealed clapboard system which transforms your façade into a traditional clapboard siding or a unique contemporary design.



UNIQUE FAÇADES

POLYGONAL CURVE

This system makes it possible to cover curved surfaces with totally flat panels (normally with a maximum width restriction of 400-600mm), using either visible or concealed fixing systems. The width restriction gives rise to a more "vertical" appearance.

HORIZONTAL CURVE AND STRAIGHT PANEL CURVE

The curve system works with a flat **ProdEX** panel which is fitted to the curved façade. It requires a solid, robust fixing system that allows the panel to curve and can only be mounted using visible fixing systems. For a radius of curvature of between 5 and 10m a 6mm thick panel must be used. This system cannot be used with a radius of less than 5m.

PRECURVED

Suitable for use with any radius, this system employs panels precurved in the **Prodema** factory and subsequently finished to suit the walls under construction. Visible fixing must be used with a maximum width of 595mm where the panel is to be curved.

PRECURVED CORNERS

A special use of the precurved solution for an end radius of 50 mm. An ideal aesthetic solution for rounded corners.

POLYGONAL CURVE



HORIZONTAL CURVE



PRECURVED



PRECURVED CORNERS





FAÇADES WITH UNIQUE MODULES



LOUVERS FAÇADES





Prodema

NATURAL WOOD BEAUTY