

Palmeco® Decoratives



Palmeco® Decoratives

Versatile surface design solutions



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The decorative board with core advantages



WPC

Combustible, toxic, not eco-friendly



Plywood board

Prone to problems with formaldehyde, fire, moisture and termite problems, not eco-friendly



MDF

Prone to problems with formaldehyde, fire, moisture and termite problems



Palmeco® Decoratives

Moisture, fire and termite resistant, eco-friendly and recyclable

High density fiberboard or plywood is widely used in the market as a base board for decorative surface materials. The disadvantages are that they are susceptible to formaldehyde, fire, moisture and termite problems.

Some high quality decorative boards use expensive wood plastic or stone plastic boards to reduce weaknesses but this results in their being fire sensitive and not environmentally friendly. Wood plastic and stone plastic boards are not recyclable and emit toxic gases when burnt.

Traditional veneers – such as wood veneer, PVC and HPC – use adhesives to laminate to the base board. Using adhesive risks the issue of the surface material delaminating and peeling away over time and in humid environments. On the other hand, wood Veneer and decorative PVC are combustible materials prone to fire. This is a common issue facing the industry today.



WPC



Plywood board



MDF



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Decoratives

Palmeco® UV chromatic technology

Double-shield protection

2

Palmeco Board

1

Chromatic coat

1

After years of Research and Development, Palmeco made its breakthrough to develop a series of decorative panels. Palmeco Decorative panels deploy the original digital printing techniques and transfer printing technologies used for ceramic tiles and applied it directly to our own patented Palmeco boards. Whether it is wood grain, stone or marble, each board has a finish with an authentic touch. The aesthetic surface of the panel has layers of unique coating that protect the panel from wear and scratches. Besides adding strength to the colour finishes, the Palmeco boards' strong resistance to fire, moisture and mildew growth gives the panel inherent double-shield protection.

2

Palmeco board is certified as an A1 class non-combustible material in China. It has also achieved the highest non-combustible class in accordance with stringent international standards. It does not contain formaldehyde, asbestos and other harmful substances. It is a green label certified product. From core to surface, all the ingredients of Palmeco Decorative panels have been carefully designed and selected to ensure safety, reliability and durability.



Fire resistance*



Anti-termite



Water repellent



Eco-friendly materials, process and life cycle

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Versatile surface design solutions

The Palmeco Decorative panel provides a range of prefabricated printed products available in various colours and textures. Choose from a wide range of designs, patterns and colours. You can view the interior effect of your choice in advance, and adjust as you need.

You may choose any products from the Decopanel and/or Arcmax ranges. These environmentally friendly, aesthetic products are suitable for both wet or dry areas such as a kitchen or bathroom in residential and/ or commercial buildings.

The advantages:

- Stable and durable – Strong colours and protective coatings ensure no fading or discolouration, no delamination, and strong resistance to scratches and wear.
- Cost-efficient – The panel is light (1000kg / m3) so it is easier to carry and install than other materials such as stone or marble. It is more cost-efficient in terms of labour, transportation and time as well as the ingredients of the material itself.
- Easy to manage – The coating layers protect the board from stains, dyeing, mildew, and is resilient to household chemicals. It is easy to care for and clean with water.
- Size and stability – Panels will not deform or fracture due to moisture
- Easy and fast installation – you can apply boards directly onto walls using nail glue or ceramic tile glue (if wall surface is straight and smooth), or you can first level the wall with 12mm Palmeco Master Board. You can also install boards on any metal and wood frame and fix them safely into position* as you would any other materials.

* Our technical team is happy to provide guidance on installation for your project.

Key benefits



EASY TO CLEAN
AND CARE



PRODUCT FOR
HEALTHY LIVING



STRONG
MOISTURE
RESISTANCE



STRONG FIRE
RESISTANCE



DURABLE



CHOICE OF
MATT OR GLOSS



HIGH
DIMENSIONAL
STABILITY

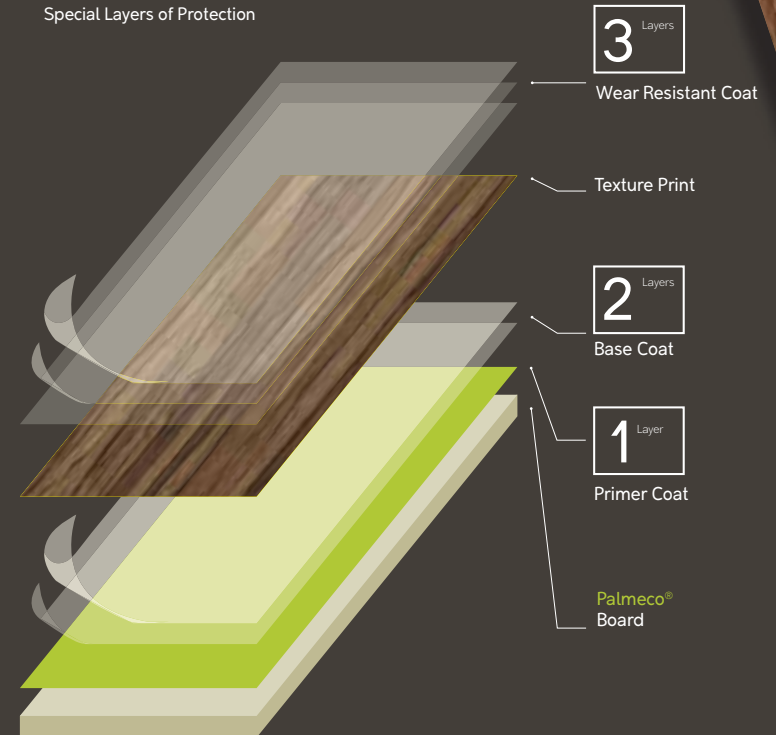


FAST AND EASY
INSTALLATION



DESIGN
INTEGRITY

Special Layers of Protection



Palmeco®

DecoPanel

Decopanel marries the best of digital printing technology with Palmeco's production techniques. It enables designers to bring ideas to life with greater flexibility. Choose from a wide variety of colours and patterns without worrying about installation or labour costs. Decopanel is ideal for feature wall design.

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Arcmax

Arcmax panels add the advantages of UV chromatic technology with Palmeco board for a pre-finished aesthetic. Arcmax's authentic textures are available in both matt and bright gloss finishes. The product has strong resistance to fire and water, and is very durable and stable. Arcmax is ideal for walls and flooring, and is a perfect alternative to wood Veneer.

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DecoPanel

Owing to the advantages of the substrate core created with Palmeco technology, the Decopanel provides great flexibility to make a designer's vision come to life. Our design and technical teams deploy the latest digital printing technology to help build a designer's creation. bring designer's creation to live.

Panel size: 1200mm X 600mm, 1200mm X 1200mm, 600mm X 600mm
(other sizes available upon request)

Thickness: 6mm and 9mm

Finishes: Texture matt, Smooth matt finishes

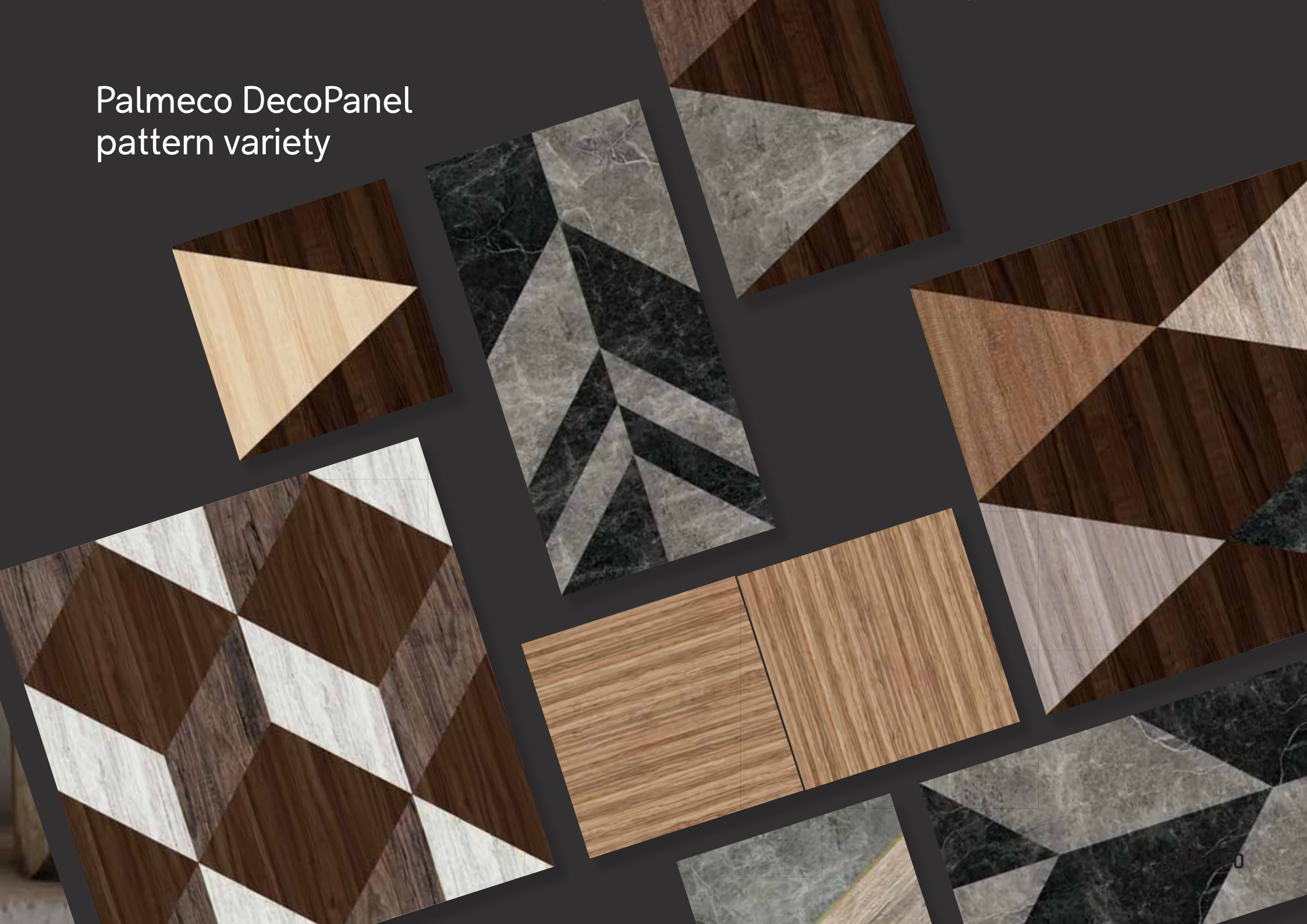
Application: Walls, ceiling





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Palmeco DecoPanel
pattern variety





Palmeco®

Arcmax

The Arcmax panel is made using the Palmeco Master Board as its substrate core with a natural surface aesthetic. The unique chromatic UV printing and coating technology gives the panel a long-lasting, artistic effect.

This prefinished product brings together the advantages of the IP- protected Palmeco Master board and UV Chromatic technology. The Palmeco Arcmax panel offers a “double-shield” protection from core to surface. It is suitable for floors and walls for commercial and residential dwellings.

The Arcmax panel is characterized by its high level of durability and its lustrous coloured look. With its natural raw concrete aesthetic look, Arcmax is the perfect surface material for commercial wall and ceiling applications.

Available in gloss and matt finishes.

Details

Panel size:	1200mm X 2400mm, 1200mm X 3000mm
Thickness:	4mm, 6mm or 9mm
Finishes:	Satin, gloss, matt
Application:	Walls, ceilings, floors (wear and slip resistant)





Palmeco®
Arcmax floorings



Specifications

Dimension deviation	L0.03%/W0.01%
Scrath resistance	14
hot and humid	no surface cracking, no bubble, strong adherence
Water resistant	no surface cracking, no bubble, strong adherence
AC grade wear-resisting	2265

Palmeco® Decoratives

Customers may select any surface finishes from Palmeco Decoratives Services that suits your design. No matter which type of product you have selected, you can rest assured that they have the benefits:

Green and Safe

Palmeco is a green label product which contains no VOCs (volatile organic compounds) and other toxic ingredients. It is a product for a healthier and greener environment.

Design integrity

The panel has high durability, and resistance to fading, yellowing, cracking, peeling, flaking, surface scratching, abrasion and Wear.

Variety of designs and colours

Mix and match your own geometric patterns or finishes with DecoPanel. Our couture service can help you customise your print. The Arcmax panel is available in satin or gloss finishes.

Light and cost efficient

Both Decopanel and Arcmax panels are lighter than competitor materials by at least 30-50%. They are easy to handle, install and care for. This means less cost on transportation and on-site installation.

Low maintenance

Both panels are easy to clean, and resistant to household stains, Chemicals, solvents and mould.

Palmeco's Green Core

Dimensional stability

Panels are resistant to cracking, warping and swelling due to the robust nature of the Palmeco board substrate.

Fast and Easy to Install

Palmeco Decorative panels are easy to install. They can be directly fixed to either light gauge steel or timber frames with 600mm centres, saving time and money. They can work well with many types of aluminium extrusions to create different looks. It can also adhere to surfaces using glue.

Energy efficiency

Working in conjunction with the Palmeco Geo-Panel Wall System, it can achieve an Rw of not less than 120mm and an acoustic tolerance at least 42db. Please refer to the technical reference of the Palmeco Geo-Panel for further details.

Note:
These key benefits apply when the product is installed and maintained correctly and to the extent set out in the installation manual. For more information about performance, refer to the installation manual. The colours represented in all imagery have been reproduced as a guide only. For complete satisfaction, please refer to the physical product sample for exact colour and finish.

Palmeco® Master Board substrate core is manufactured via an environmentally friendly process that consumes very little energy and emits close to zero carbon emissions. Made from abundant minerals and palm fibre waste that would otherwise be dumped into landfill, the product contains no harmful substances such as VOCs, formaldehyde, asbestos and silica dust.

Specifications

Standard measurement	1000kg/m ³
Fire resistance	BS 476 Part 4,1970(non-combustible)
Moisture resistance	Semi-exposed/ Resistant to the effect of moisture



Disclaimer:

The colours and finishes of the products featured within the imagery in this brochure are as close to Palmeco® DecoPanel as photographic lighting and our printing processes allow. Different camera angles, although not designed to be misleading, can sometimes distort actual size and distances.

DecoPanels are no different than any other material in that darker colours will always show scratches and superficial wear and tear more readily than lighter colours. DecoPanel should be protected from strong, direct sunlight as continuous exposure may cause discolouration or fading to the surface.

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