

PRODUCT DATA SHEET

DECORATIVE PANELS



California Trading Sp. z o.o.

ul. Rokicka 13A, 83-110 Tczew, Poland

VAT ID: PL6040076113

www.california-trading.eu

Transparent decorative panels inspire creativity and offer endless possibilities for designing modern, stylish interiors. Manufactured using natural materials, they open up new design opportunities. The combination of nature and the latest environmentally friendly technologies brings energy to interiors while blending seamlessly into their surroundings.

A wide selection of decorative patterns makes these panels suitable for even the most sophisticated interior designs. Their varying degrees of transparency provide privacy while maintaining an open and spacious feel.

The flexibility of the material used in the DecorPanel series makes these panels ideal for manufacturing lighting fixtures such as lamps, chandeliers and skylights, as well as transparent partition walls and even sanitary products, including washbasins.

FEATURES

- Thermoformable – can be shaped freely when heated.
- Allows separation of interior zones while maintaining a spacious appearance.
- High resistance to cracking and impact.
- Easy to maintain.
- Easy to machine using woodworking tools fitted with carbide-tipped blades.
- Organic and textile panel core options available.
- Suitable for outdoor applications.
- Heat resistant up to 70°C.





APPLICATIONS

- Partition walls
- Doors and sliding doors
- Decorative and furniture finishing elements
- Tabletops
- Chair seats and backrests
- Dividers
- Shelving
- Wall cladding
- Lighting enclosures
- Architectural design elements

TECHNICAL DATA

Panel Length	2440 mm
Panel Width	1220 mm
Panel Thickness	4 mm (selected 6 mm and 8 mm variants available while stocks last)
Panel Weight	16 kg (4 mm thickness)
Material	Synthetic resin with organic or textile core
Light Transmission	11.67 (15")
Fire Rating	Self-extinguishing material, HB

PROCESSING

Cutting

Decorative panels should be cut using woodworking or metalworking tools equipped with carbide-tipped blades.

- Circular saws are recommended for straight cuts.
- Band saws or jigsaws should be used for curved cuts.
- For the best cutting quality, circular saws should operate at a minimum speed of 4,000 rpm.

Drilling

- Holes should be drilled using stationary or portable drills fitted with drill bits designed for soft metals.
- When drilling deep holes, frequently withdraw the drill bit to remove chips and reduce material temperature.
- Standard twist drill bits may also be used.

Milling

- Decorative panels can be milled using standard high-speed milling cutters.
- Milling enables rounded or concave panel edges.
- Panels can also be rebated to allow easy installation, for example into frames.

Sanding and Polishing

Minor surface damage can be repaired by sanding with fine-grit wet corundum sandpaper.

Depending on the required finish, progressively finer grits should be used.

Recommended sequence: 60 → 150 → 220–600 → 2000

Thermoforming

Before thermoforming, the material should be dry, clean and free of its protective film.

Heating equipment should provide a stable and uniform temperature with minimal fluctuations.

Recommended heating temperature: 70–80°C

Heating time: 3–4 minutes per 1 mm of panel thickness

Panels may be formed using:

- Vacuum forming chambers
- Vacuum presses
- Bending molds

During thermoforming, decorative panels may shrink uniformly by up to 2%.

Care and Maintenance

Decorative panels can be cleaned using commonly available household cleaning products.

They are resistant to:

- Chemicals contained in household cleaning agents
- Coffee stains
- Ink
- Fruit juices
- Emulsion paints



AVAILABLE DECORS



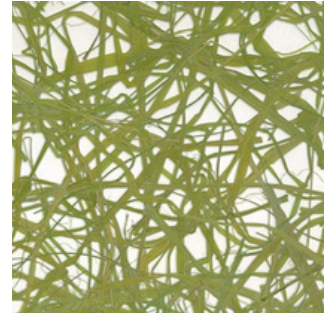
Pearl

DPN-105



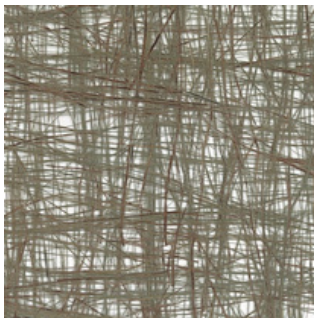
White Branches

DPN-162



Seaweed

DPN-238



Jute

DPN-245



Vine

DPN-249



Wood Slats

DPN-266



Rice Field

DPN-271



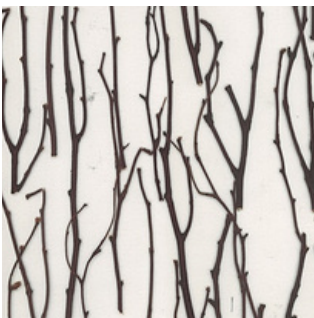
White Blades of Grass

DPN-275



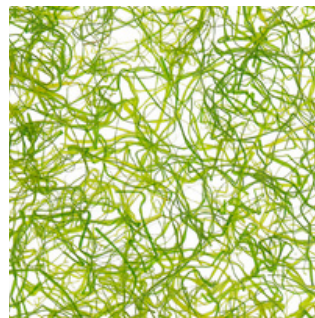
Thuja

DPN-282



Twigs

DPN-291



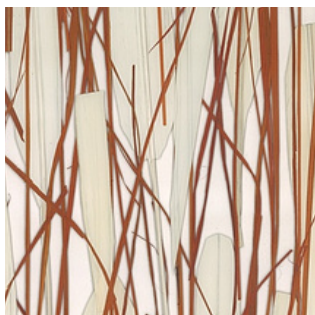
Green Sisal

DPN-300



White Leaves

DPN-406



Feathers

DPN-430



Fern

DPN-453



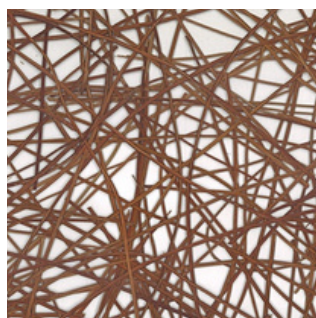
Ginkgo

DPN-492



Reeds

DPN-517



Woven Basket

DPN-552



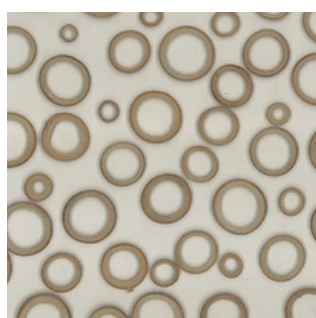
Brown Twigs

DPN-555



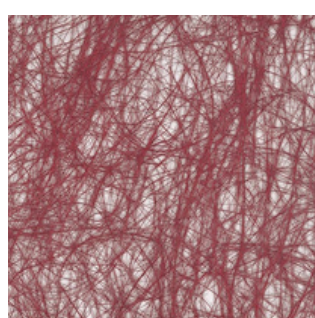
Twig Nests

DPN-720



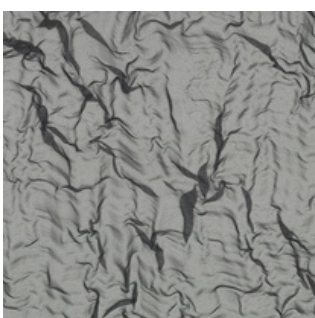
Bamboo Rings

DPN-860



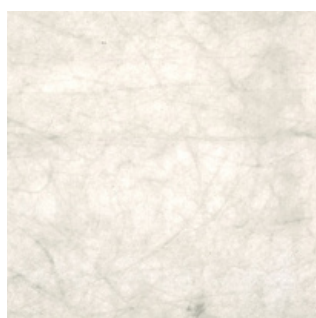
Red Sisal

DPT-301



Satin

DPT-316



Handmade Paper

DPT-321

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