



Data Sheet

NAVECO is the latest range of decorative textured panels available from New Age Veneers. This range brings focus to the overwhelming need to reduce waste, recycle and reuse. Byproducts generated by a variety of industries have been transformed into the distinctive panels and pieces of the NAVECO range.

Supply of these byproducts includes *Almond* shells from the nut industry; *Teak* from the furniture industry; *Coconut shells* from the food industry; *Coconut tree wood* from the construction industry; *Rosewood*, *Albasia wood* and *Teak bark* from the timber industry.

This new range presented by New Age Veneers offers unique eco-friendly products with a limitless scope to create natural projects whilst keeping environmental consideration the main focus.

As the NAVECO range comprises products that are very different from each other this Technical Information sheet has been divided into two sections.

The information below is in relation to the following NAVECO products: **Buttons, Cubic, Domino, Dunes, Leather, Matrix, Moonbase, Paperwall, Pillow, Pods, Quatro and Waves.**

New Age Veneers introduces a revolutionary three-dimensional wall and ceiling covering made from crushed almond shells. Offering an effective alternative to wood, it is environmentally friendly, offers high performance and when it comes to design brings an entirely new aesthetic to the market.

Decorative, textured panels open up a whole range of shapes and textures in a field that to date has been limited by cold flat surfaces. There are many different styles and designs to choose from, all of them will add depth and interest to an otherwise lifeless wall or ceiling.

These products are a composite material made from 30-40% crushed almond shells which are a waste product from the nut industry, mixed with synthetic resins.

Advantages

NAVECO almond shell panels are very lightweight and easy to handle as opposed to MDF and particle board. There are no toxic emissions released. The material is totally waterproof; in fact clients have made basins from this material. Resistant to termites, woodworms and other biotic agents. The panels also have thermal insulation benefits.

Application

Indoor use – Wall paneling, ceiling panels, bar fronts, feature panel, columns, bed heads, reception counters and wet areas.

Outdoor use – Wall paneling, wet areas, feature panels and columns.

NAVECO almond shell panels being used externally must be finished with exterior grade paint. Check with your paint manufacturer.

Installation (See *Fabrication Guide* on our website for full details)

Buttons and Pods can be randomly placed into position by a Plasterboard installer. Very easy to install.

Cubic, Domino, Dunes, Leather, Matrix, Moonbase, Paperwall, Pillow, Quatro and Waves – All these panels have a 3mm channel around the perimeter, this is perfectly suited for the NAV H-Profile mounting system.

A 2mm shadow line between the panels is visible.

Bismarck panels are mounted using the smaller Bismarck NAV H-Profile and accompanying Bismarck Flat Bar Profile.

A 1.5mm shadow line between Bismarck panels is visible.

Finishing

Finished panels have been coated with high gloss white polyurethane. No further finishing is required.

Unfinished panels are primed, and are ready to be finished on-site with a brush, roller or spray gun using Acrylic/Polyurethane coatings.

Alternatively, they can be sprayed in a spray booth beforehand using Acrylic/Polyurethane coatings, or Automotive paints. Check with your paint supplier for suitability.

Refer to price list for finishing availability.

Cleaning

As these panels are textured, dust may accumulate in some areas. Dusting with a feather duster will remove dust particles. For further cleaning a damp sponge or cloth will be sufficient.

Environment

Our raw material is the Almond shell, which is a by-product from the nut industry. This constitutes around 30-40% of the panel. After crushing the shells we mix them with synthetic resins. The resins are made from non-toxic materials.

During the manufacture of the panels no liquid, solid or gaseous residues are produced. Waste materials are also recycled during the manufacturing process.

Due to the composite material, the almond shell contains lignin and cellulose which are the same components of wood; we achieve the best wood imitation avoiding the cutting down of trees.

Sizing

The table below outlines the panel sizes:

Stocked panels		
Panel name	Size (mm)	Thickness (max)
Bismarck	900 x 300	17mm
Domino	600 x 600	55mm
Dunes	1120 x 600	40mm
Moonbase	595 x 595	50mm
Quatro	600 x 600	33mm
Waves	1200 x 600	30mm
Pods 30	300 dia.	60mm
Pods 40	400 dia.	80mm
Buttons	300 dia.	40mm

Indent panels		
Panel name	Size (mm)	Thickness (max)
Cubic	600 x 600	35mm
Leather	510 x 510	30mm
Matrix	750 x 750	60mm
Paperwall	1760 x 600	55mm
Pillow	700 x 400	90mm

See website for detailed dimensions of each piece

For a full ***Fabrication Guide*** please visit our website.

The information below is in relation to the following NAVECO products: **Piazza Cocoa - Ply, Piazza Cocoa – Tile, Teak Strata, Coconut Wood, Bark, Albasia** and **Rosewood**.

The materials used to make the panels listed above are byproducts from a variety of industries. These byproducts are cut to size and glued to a plywood backing to create these unique panels in the NAVECO range. These NAVECO panels are handmade by skilled artisans, giving each design character and style, something a machine made panel would be unable to offer. In addition to being eco-friendly, the panels are finished with a clear matt coating.

Advantages

Made from reclaimed timber products, these NAVECO panels play an important role in modern design by emphasizing the need to minimise waste. The panels mentioned above encompass a wide range of colours, textures and materials and work well on their own, or with other products in the NAVECO range. Supplied as a finished product means that these panels are ready to install immediately.

Application

These unique panels are ideal for use in indoor areas where an exotic atmosphere is desired. Perfect for wall coverings, bar fronts, retail displays, furniture and many more modern design applications.

Installation (See *Fabrication Guide* on our website for full details)

A combination of construction adhesive and secret nailing can be used to install panels.

Finishing

Piazza Cocoa - Ply, Piazza Cocoa – Tile, Teak Strata, Coconut Wood, Bark and **Albasia** panels have been coated with a low gloss, clear matt coating. No further finishing is required. **Rosewood** panels have been coated with organic oil found in pineapple fibre, the outcome is a tough natural matt coating. No further finishing is required.

Cleaning

As these panels are textured, dust may accumulate in some areas. Dusting with a feather duster will remove dust particles. For further cleaning a damp sponge or cloth will be sufficient.

A damp sponge or cloth will be sufficient to clean Piazza Cocoa – Tiles. For tougher stains soapy water may be used. If grout has been applied, clarify with the manufacturer that any cleaning product used will not cause detrimental effects to the grout.

Environment

The materials used in the manufacture of these NAVECO panels are byproducts from a range of different industries.

Piazza Cocoa – Ply and **Piazza Cocoa – Tile** are made from coconut shells, a byproduct from the food industry. As the edible portion of the coconut is harvested the shell is usually sent to a landfill or burnt. We save these shell pieces from going to waste by transforming them into the Piazza Cocoa panels.

Coconut Wood panels are made from the wood in coconut trees. Coconut wood is used as a substitute for endangered hardwoods. The pieces in our panels are byproducts from the construction industry.

The materials used in NAVECO **Bark** and **Teak Strata** panels are obtained from teak trees. Teak is a very popular timber to use in manufacturing furniture. Our panels utilise the excess materials created during furniture manufacture.

Albasia and **Rosewood** are both highly regarded timbers. Albasia is a very lightweight yet remarkably strong timber and is sought after specifically for this high strength to weight ratio. Rosewood is popular due to its rich hues and strength. The Albasia and Rosewood pieces we use in our panels are obtained as byproducts from the timber industry and would otherwise have been burned.

Sizing

The table below outlines the panel sizes:

Panel name	Size (mm)	Thickness (max)
Piazza Cocoa – Ply	3050 x 1300	12mm
Piazza Cocoa – Tile	3050 x 1300	6mm
Mosaic – Bark	3050 x 1300	15mm
Mosaic – Coconut Wood	3050 x 1300	19mm
Teak Strata	3050 x 1300	19mm
Twigs – Albasia	3050 x 1300	13mm
Twigs – Rosewood	3050 x 1300	12mm

For a full ***Fabrication Guide*** please visit our website.