

VESTO
arauco

Create, design and combine WITHOUT LIMITS

Melamina VESTO has a high-quality melamine laminate (TFL) with Antimicrobial Copper protection, available in MDF, MDP and MDP MR (Moisture Resistant) substrate, in a wide range of designs and colors.

- LESS TOOL WEAR
- CLEANER AND SMOOTHER CUT
- INNOVATIVE DESIGNS AND TEXTURES
- WEAR RESISTANT SURFACE

www.arauco.com



www.arauco.com

FEATURES

- High quality melamine laminate.
- Variety of thicknesses: 6 mm, 15 mm and 18 mm.
- Moisture content: 7% (+/- 3%) average.

PRODUCT ADVANTAGES

- Innovative designs and textures.
- Cuts without chipping and with minor tool wear.
- More durable surfaces.
- **Antimicrobial Copper Protection:** Reduces 99.9% of surface bacteria in 24 hours.

MAIN APPLICATIONS

- Product for indoor use.
- Kitchen furniture, bathrooms and closets.
- Furniture for home and office.
- Sheathing for walls, doors, and drop ceilings for low impact horizontal applications.

RECOMMENDATIONS

- To cut, use widia (tungsten carbide) cutting disk with a minimum of 60 teeth of the hollow or trapezoidal chest type.
- For better cutting results use the double sided melamine blade.
- To apply screws properly it is important to pre-drill.
- Protect the edges from moisture applying either PVC, ABS, melamine edge banding or moulding on all edges of the piece.
- Avoid direct contact with water.

STORAGE

- Store the boards horizontally, raised from the floor with supports spaced no more than 80 cm. If stored vertically, do it in a small number, securing the boards in their position.
- Store indoors in cool and dry places, not exposed to the sun.



TECHNICAL SPECIFICATIONS

Product	Dimensions			Density average kg/m ³	Tolerances			
	thicknesses mm	length m	width m		thickness mm	length mm	width mm	diagonal mm
Melamina VESTO - MDP	15 - 18	2.50	1.83	530 - 570	-/+0.2	-/+2	-/+2	-/+2
Melamina VESTO - MDP MR	15 - 18	2.50	1.83	575 - 625	-/+0.2	-/+2	-/+2	-/+3
Melamina VESTO - MDF	6	2.44	1.83	675 - 750	-/+0.15	-/+2	-/+2	-/+3
	15 - 18	2.44	1.83	590 - 640	-/+0.15	-/+2	-/+2	-/+3

*Note: For information on thicknesses greater than 18 mm, please contact your sales representative or preferred distributor (immediate availability subject to stock).

ABRASION RESISTANCE

Test results	Description
Minimum 500 cycles single-colored boards	The test ends by completely wearing down the melamine paper and reaching the substrate.
Minimum 150 cycle boards with design	The test ends when the printed design wears down and disappears in the upper relief of the board texture.

Note: Results obtained from tests under the UNE 7265 Standard, performed with a Taber® Abraser.

PHYSICAL-MECHANICAL PROPERTIES

Property	Unit	Substrate thicknesses				
		MDP		MDF		
		15 mm - 18 mm	15 mm - 18 mm	6 mm	15 mm - 18 mm	
Tensile strength	N/mm ²	0.30 - 0.60	> 0.60	0.80 - 0.90	0.60 - 0.70	
Flexural strength	N/mm ²	> 12	17 - 21	35 - 45	28 - 36	
Screw retention	(Face)	N	800	> 1,200	NA	> 1,000
	(Side)	N	600	> 1,000	NA	> 800

Measurements and technical characteristics may be modified without prior notice.

VESTO

arauco

The high quality of Melamina VESTO, along with its durability and versatility, make it ideal for furniture and interior design.

ACCESSORIES

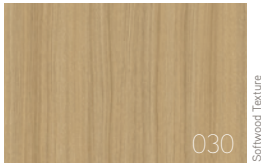
- **Edge banding:** All VESTO decors have an edge banding match with different vendors. For more information visit: www.arauco.com



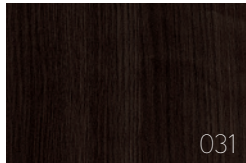
Roble Provenzal

TRENDS Collection

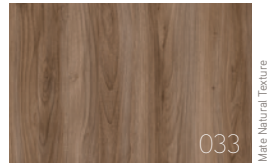
Cutting-edge decors to create new experiences.



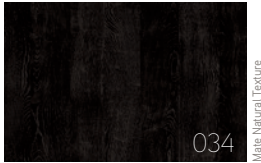
Roble Americano



Roble Dakar



Moscato



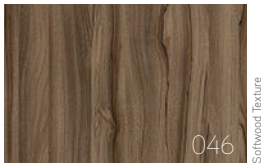
Espresso



Alaska



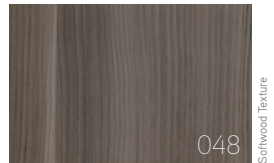
Nocce Milano



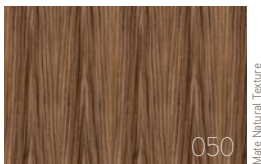
Nogal Terracota



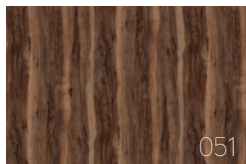
Teka Ártico



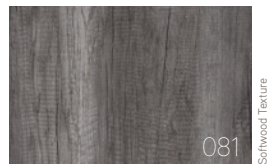
Linosa Ceniza



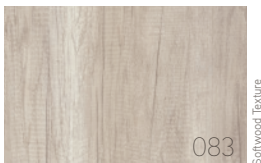
Riviera



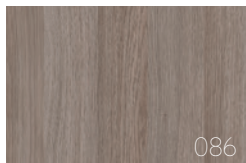
Nativa



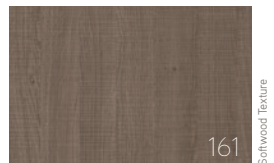
Lombardía



Toscana



Cendra Escandinavo



Aserrado Nórdico

Measurements and technical characteristics may be modified without prior notice.

www.arauco.com

INNOVATIVE DECORS

Melamina VESTO offers the possibility of putting your ideas into action, inspired by contemporary lifestyles and the search for spaces that connect with nature and design, offering an evolution in creative solutions for furniture and interior design.

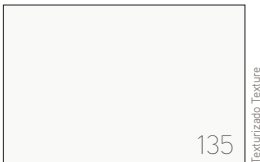
ANTIMICROBIAL COPPER PROTECTION

Copper has proven to be a highly effective material for fighting virus, bacteria, fungi, and mold. VESTO has copper particles on its surface, which makes it a safer material, since:

- It reduce the presence of bacteria and germs by 99.9% within 24 hours.
- Maintains its effectiveness after multiple cleaning processes.
- It is a safe material for people.

UNICOLORS Collection

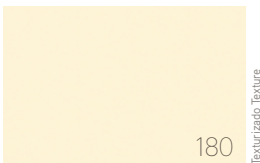
Total personality and style that gives color.



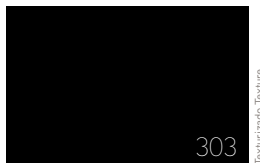
Blanco



Gris Humo



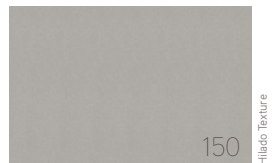
Almendra



Negro

TEXTILE Collection

The finesse of its design spinning allows you to dress all kinds of environments.



Seda Giorno*

Note: UNICOLORS Collection available only by special order (availability subject to stock of the distributor of your choice).

* Seda Giorno available only in 6 mm MDF, and 15 mm MDP. For more information contact your sales representative or preferred distributor.

CHIP FREE CUTTING

Thanks to its thinner, homogeneous, and dense faces, Melamina VESTO constitutes an evolution with respect to traditional particle boards, giving the quality that your projects require.

AVAILABLE IN SUBSTRATE MDF AND MDF

Melamina VESTO uses the latest manufacturing technology, ensuring higher quality. The use of sustainable wood, from controlled sources, ensures the consistency of the product over time.



Measurements and technical characteristics may be modified without prior notice.

VESTO

arauco

Melamina VESTO MR

Melamina VESTO MR boards in MDP substrate that allow to withstand high humidity environments and casual contact with water. Due to the fact that they contain a MUF resin (melamine-urea-formaldehyde).



APPLICATIONS

Melamina VESTO MR boards in MDP substrate were developed for indoor use in non-structural applications, and in environments in humid climates.

APPEARANCE

To the MUF resin used in the manufacture of the board, a pigment is added that gives the green color that distinguishes this product. A wax emulsion is also added, which adds an additional barrier that hinders water penetration.

PROPERTIES

VESTO MDP MR boards show a much slower response to water absorption compared to traditional particle boards.

DIMENSIONS

The dimensions of a VESTO MDP MR board are closely related to moisture content, and prolonged exposure to high humidity conditions.

High humidity conditions can cause difficulties in applications or furniture that require tight tolerances, a situation that affects VESTO MDP MR panels to a lesser extent compared to a traditional agglomerate.

www.arauco.com

The exposure of a VESTO MDP MR board to relative changes in conditions of humidity can cause the following:

- Linear dimensions change approximately between 0.03% and 0.06% for every 1% change in moisture content.
- The change in thickness will be approximately between 0.03% and 0.5% for every 1% change in moisture content.

RECOMMENDATIONS

- Even though VESTO MDP MR boards have resistance properties to high humidity conditions and to occasional humidity, they should not be exposed to situations of permanent moisture and not have direct contact with water. The latter could affect the boards' dimensional stability, and expose them to fungal infestation.

- Since the board density is greater than that of our MDP board, cutting tools may experience increased wear. ARAUCO VESTO MDP MR boards have undergone testing according to standard EN 321 "Determination of low humidity resistance cyclic test conditions", in its point 8 "Requirements for non-structural boards under the influence of moisture" (type 3), the one detailing the specifications for the post-cyclic test.
- Compared to the traditional particle boards, the MDP MR board has higher (M.O.R and M.O.E) and internal bond (I.B.).

CARB (California Air Resources Board)

California sets through its norm "Final RESOLUTION Order Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products", the highest levels of allowed emissions, which are the strictest in the world. The manufacturing process of VESTO MDP MR boards meets the equivalent CARB 1 level.

PHYSICAL-MECHANICAL PROPERTIES - MELAMINA VESTO MR

Property	Unit	Tolerance			
Thickness	mm	-/+0.2	< 14	14 - 22	> 22
Swelling 24 h. Before cyclic test	%	Maximum	20	15	15
Swelling 24 h. After cyclic test	%	Maximum	14	13	12

Measurements and technical characteristics may be modified without prior notice.