

maica™



maLaminate

mai™ UNIQ

The Exquisiteness of Maica  
Extravagant and Premium

Umai™  
UNFOLDING  
INNOVITY  
IMPECCABILITY  
QUAINTNESS



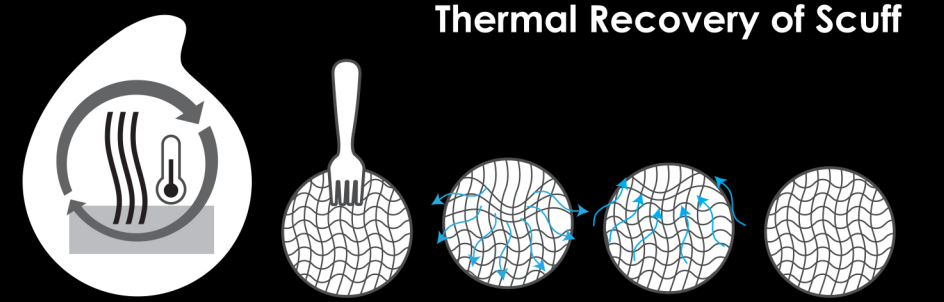
**01 maiInvisible-T**  
Simply impeccable as the range embodies Thermal Recovery of Scuff and Anti-Fingerprint

**07 maiColour Core**  
Perfectly homogeneous in the colour of the surface and the core enabling seamless joint

**13 maiPalvo**  
Irresistibly easy to clean for a powdery surface makes it a finish of novelty

# Contents





Anti-Fingerprint





Anti-Fingerprint



Soft & Velvety Touch



Scuff Resistance



Impact Resistance



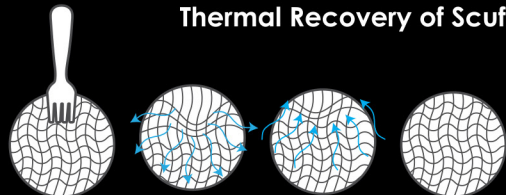
Easy Maintenance



Antistatic



Thermal Recovery of Scuff



Let **maiInvisible-T** take you for a pinnacle experience in laminate technology. Applying an electron-beam cured surface, it is a premium range that gently boasts of thermal recovery of scuff, anti-fingerprint, and an extreme ease of maintenance that makes it a choice close to heart of the discerning.

- ✓ Thermal recovery of scuff
- ✓ Natural matte surface
- ✓ Soft & velvety touch
- ✓ Anti-fingerprint
- ✓ Resistant to impact, stain, heat and water

**maiApplication:**

- Horizontal and vertical applications
- High traffic areas
- Food & beverage outlets

**maiQualities:**

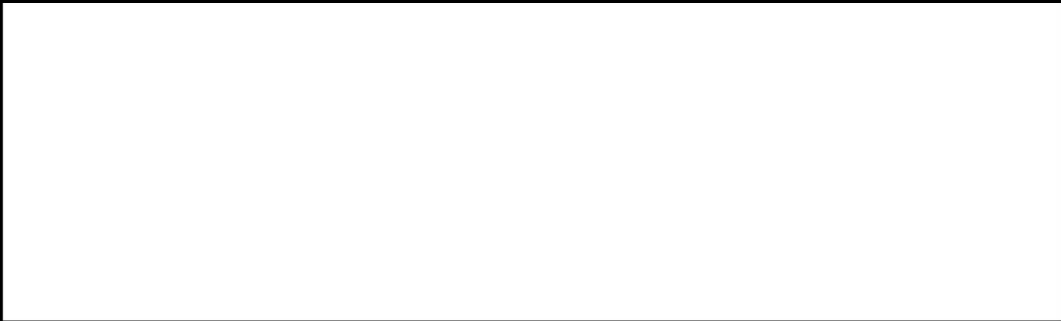
European  
Standard  
**EN 438**



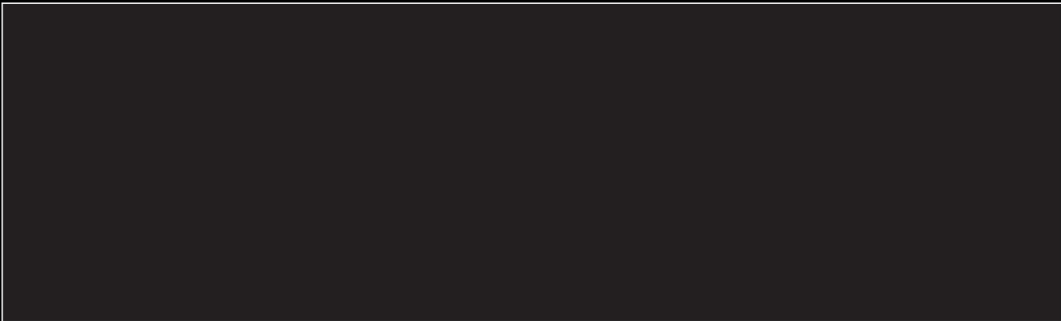




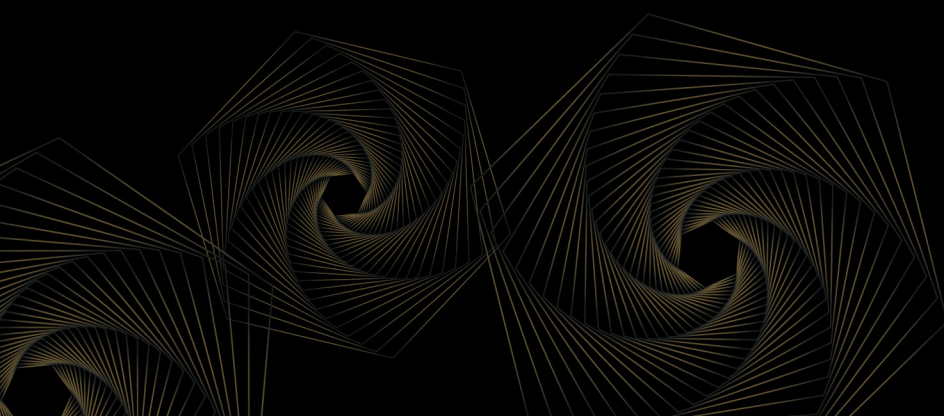
M 90103 - M  
Silver Argento  
★



M 90101 - M  
Pure Canuto  
★



M 90100- M  
Blaec Flagrare



M 90106 - M  
Vivid Rossa  
★



M 90104 - M  
Indigo Blu  
★

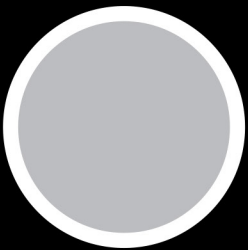


M 90105 - M  
Lilac Viola  
★

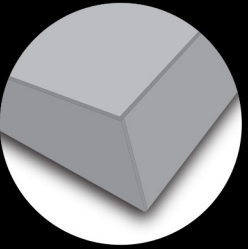


M 90102 - M  
Ashley Grizz  
★





100% solid colour



Seamless joint

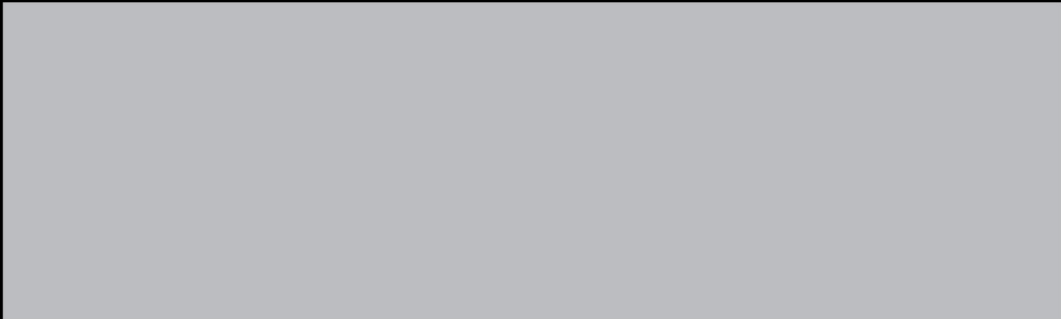




Clasio - CO



M 80100 - CO  
Nievera



M 80200 - CO  
Grisa



**maiColour Core**  
Harmonising the colour of the surface and the core, making seamlessness perfectly achievable in custom-made furniture making.

Comes in red, white, grey, and black, and a few distinguished Maica's signature surface finishes. They are tastefully picked to ensure that customer expectation is well understood and passionately delivered through the premium selection of **maiColour Core**.

- maiApplication:**
- Designer furniture tables
  - Flat surfaces without the need for edging support
  - Wardrobes, cabinets, TV consoles, coffee tables

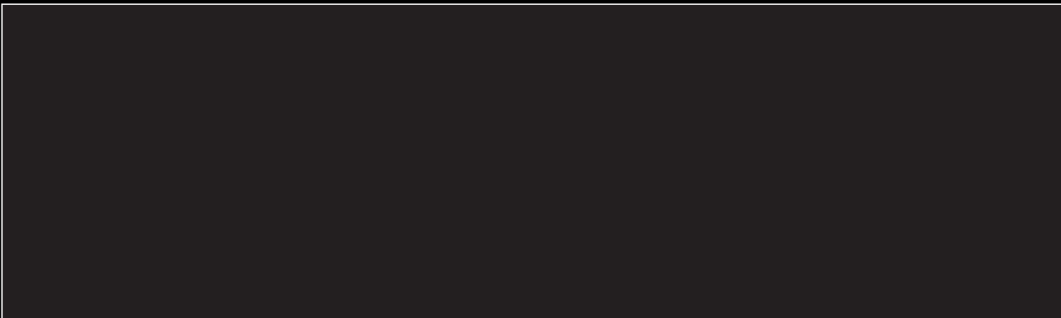
High Gloss - G



M 80100 - G  
Nievera



M 80200 - G  
Grisa



M 80300 - G  
Kara



M 80400 - G  
Rubeus

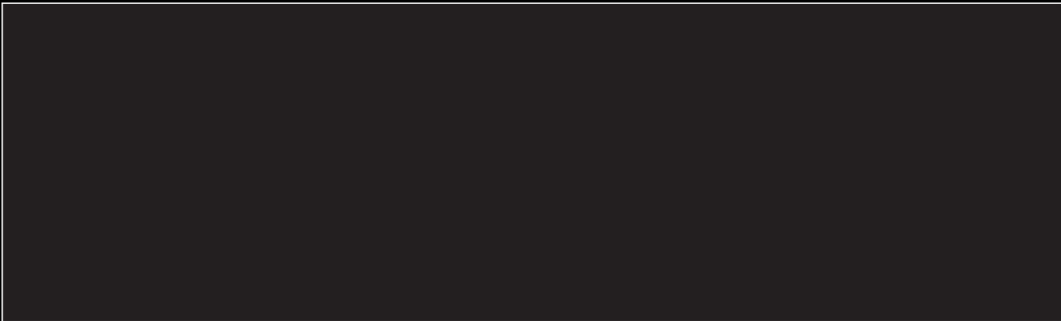
Texture - X



M 80100 - X  
Nievera



M 80200 - X  
Grisa



M 80300 - X  
Kara



M 80400 - X  
Rubeus

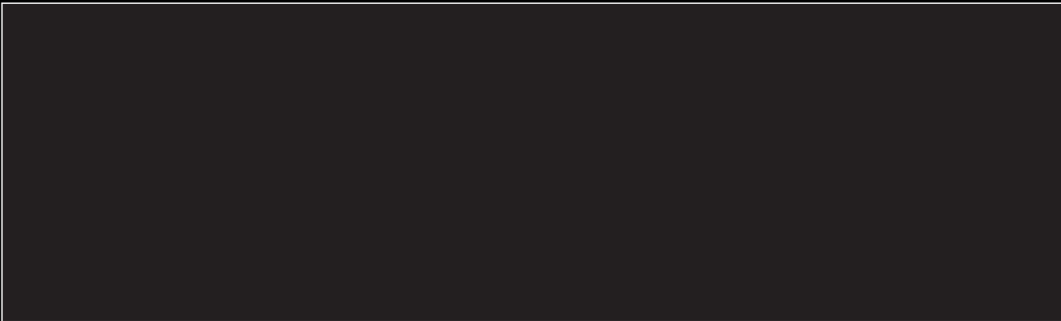
Matte - M



M 80100 - M  
Nievera



M 80200 - M  
Grisa

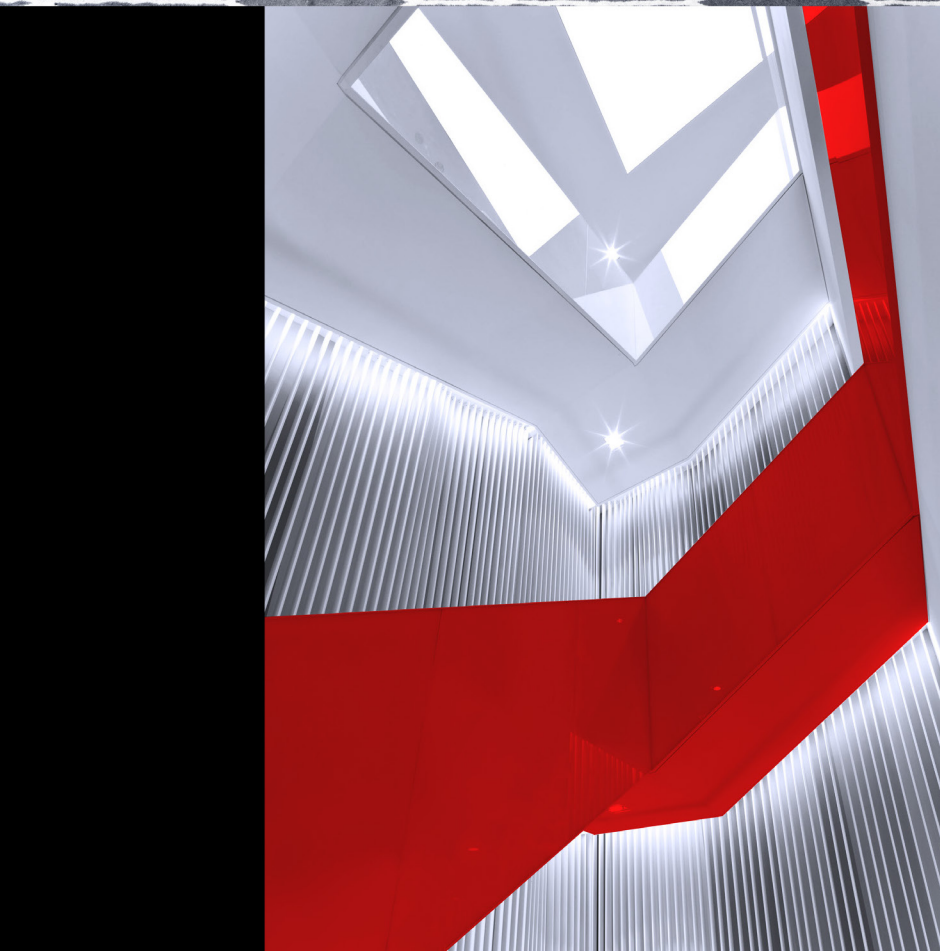
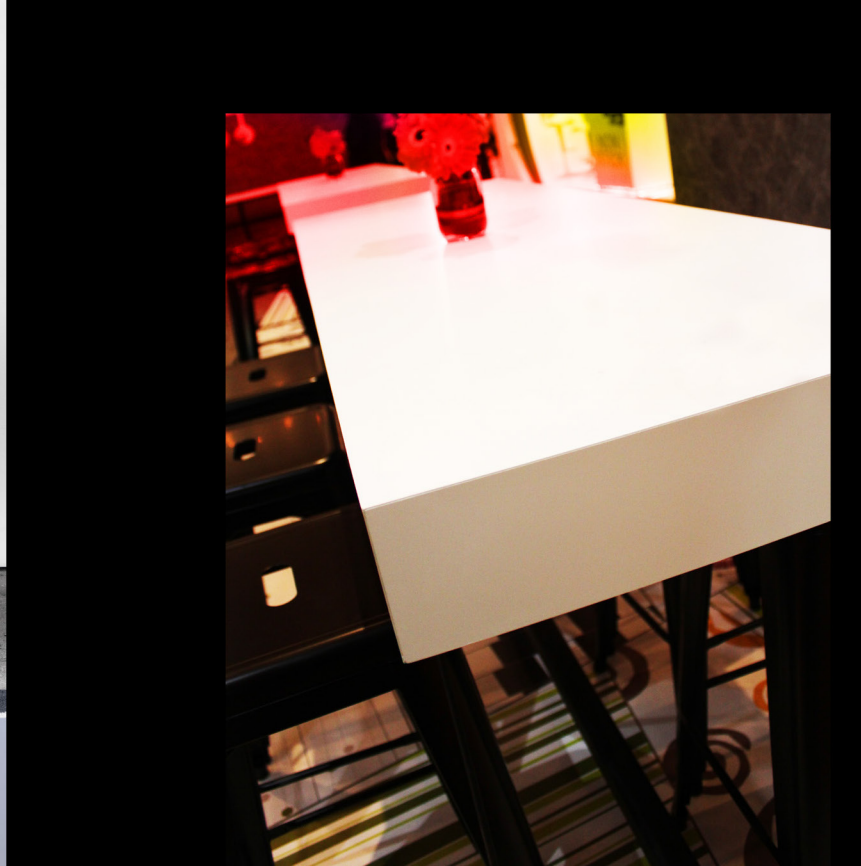


M 80300 - M  
Kara

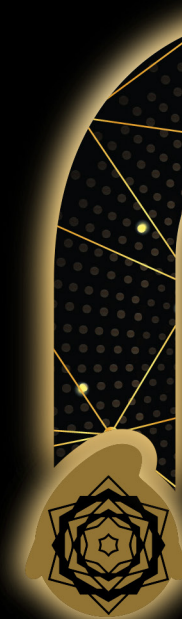


M 80400 - M  
Rubeus





Easy Clean



mai<sup>TM</sup>UNIQ

maiPALVO





# Easy Clean

**maiPalvo** is the latest choice in our collection of surface finish. Celebrated for its distinctive powdery touch, it promises easy clean and near-zero maintenance on the few selected maiWoodgrain and maiSolid Colour patterns.

- maiApplication:**
- Horizontal and vertical applications
  - Residential and commercial use
  - Food & beverage outlets
  - Sports related facilities





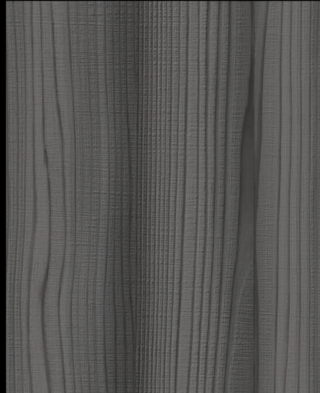


Easy Clean

Palvo - PV



M 30609 - PV  
Holzko Walnut



M 35302 - PV  
Mario



M 30616 - PV  
Flores Walnut



M 33306 - PV  
Jewells Euca



M 32403 - PV  
Sombra Ash



M 35301 - PV  
Chafumto



M 30615 - PV  
Rhine Walnut



M 33305 - PV  
Pinny Euca



Easy Clean

Palvo - PV



M 10705 - PV  
Merlot Purple



M 11102 - PV  
Shadow Grey



M 01871 - PV  
Walnut Brown



M 10606 - PV  
Chernin Brown



M 10703 - PV  
Vieux Purple



M 11101 - PV  
4° Cool Grey



M 01895 - PV  
White Beige



M 01597 - PV  
Warm White



maiProduct Index

Pattern No. / Finish	Pattern Name	Page	Thickness (mm)	Size Available
maiInvisible-T				
M 90100 - M	Blaec Flagrare	PG 04	1.0	4ft x 8ft
M 90101 - M	Pure Canuto	PG 04	1.0	4ft x 8ft
M 90102 - M	Ashley Grizz	PG 05	1.0	4ft x 8ft
M 90103 - M	Silver Argento	PG 04	1.0	4ft x 8ft
M 90104 - M	Indigo Blu	PG 05	1.0	4ft x 8ft
M 90105 - M	Lilac Viola	PG 05	1.0	4ft x 8ft
M 90106 - M	Vivid Rossa	PG 05	1.0	4ft x 8ft

maiColour Core				
M 80100 - X	Nievera	PG 10	1.0	4ft x 8ft
M 80100 - M	Nievera	PG 11	1.0	4ft x 8ft
M 80100 - G	Nievera	PG 09	1.0	4ft x 8ft
M 80100 - CO	Nievera	PG 08	1.0	4ft x 8ft
M 80200 - X	Grisa	PG 10	1.0	4ft x 8ft
M 80200 - M	Grisa	PG 11	1.0	4ft x 8ft
M 80200 - G	Grisa	PG 09	1.0	4ft x 8ft
M 80200 - CO	Grisa	PG 08	1.0	4ft x 8ft
M 80300 - X	Kara	PG 10	1.0	4ft x 8ft
M 80300 - M	Kara	PG 11	1.0	4ft x 8ft
M 80300 - G	Kara	PG 09	1.0	4ft x 8ft
M 80400 - X	Rubeus	PG 10	1.0	4ft x 8ft
M 80400 - M	Rubeus	PG 11	1.0	4ft x 8ft
M 80400 - G	Rubeus	PG 09	1.0	4ft x 8ft

Pattern No. / Finish	Pattern Name	Page	Thickness (mm)	Size Available
maiWoodgrain				
M 30609 - PV	Holzcoh Walnut	PG 16	0.8	4ft x 8ft
M 30615 - PV	Rhine Walnut	PG 16	0.8	4ft x 8ft
M 30616 - PV	Flores Walnut	PG 16	0.8	4ft x 8ft
M 32403 - PV	Sombra Ash	PG 16	0.8	4ft x 8ft
M 33305 - PV	Pinny Euca	PG 16	0.8	4ft x 8ft
M 33306 - PV	Jewells Euca	PG 16	0.8	4ft x 8ft
M 35301 - PV	Chafumto	PG 16	0.8	4ft x 8ft
M 35302 - PV	Marlio	PG 16	0.8	4ft x 8ft

maiSolid Colour				
M 01597 - PV	Warm White	PG 17	0.8	4ft x 8ft
M 01871 - PV	Walnut Brown	PG 17	0.8	4ft x 8ft
M 01895 - PV	White Beige	PG 17	0.8	4ft x 8ft
M 10606 - PV	Chemin Brown	PG 17	0.8	4ft x 8ft
M 10703 - PV	Vieux Purple	PG 17	0.8	4ft x 8ft
M 10705 - PV	Merlot Purple	PG 17	0.8	4ft x 8ft
M 11101 - PV	4° Cool Grey	PG 17	0.8	4ft x 8ft
M 11102 - PV	Shadow Grey	PG 17	0.8	4ft x 8ft

maiFinishes Codes & Names

- CO - Clasio
- G - High Gloss
- M - Matte
- PV - Palvo
- X - Texture

mai SUSTAINABLE Lifestyle

The passion of Maica goes beyond manufacturing High Pressure Decorative Laminate (HPL) and Compact Laminates. In compliance with the European Standard EN 438, product quality is indisputably its primary focus. Notwithstanding, Green Manufacturing and Green Products have a very special place in the heart of Maica.

Maica is committed to manufacture environmental-friendly products with the use of sustainable raw materials. The use of kraft papers that are made of virgin pulps from non-virgin plantations / forestry has earned Maica the Singapore Green Label for the 'Made from Renewable / Sustainable Materials' category.

In addition, Maica's products are certified for GREENGUARD and GREENGUARD GOLD, the proofs of low chemical emissions that warrant healthy indoor air quality.

Moreover, Maica has secured MyHIJAU for its mailaminate and maiCompact and that they are accorded with certain Green Building Index (GBI) credit points that come with tax benefits.

Since 2015, Maica has obtained FSC Chain of Custody (CoC) certificate with FSC™ License Code of FSC™ C126725. Maica is ready to produce FSC Mix label mailaminate and maiCompact upon request by customers.



Our products also carry a combination of the following maiQualities





# maiQualities

**maiAnti-Bacterial** (For maiColour Core & maiPalvo)

- Maica Laminates makes silver-ion antimicrobial technology a standard requirement for most of our laminate products.
- Our products are tested based on JIS Z2801:2012 for 5 types of bacteria: *Escherichia coli*, *Pseudomonas aeruginosa*, *Salmonella choleraesuis*, *Staphylococcus aureus* and *Methicillin-resistant Staphylococcus aureus*.
- It also reduces the level of microbes responsible for surface degradation and other associated issues, such as foul odour.
- Regular cleaning is required as part of the maintenance for the products as oil and dirt may undermine silver-ion technology from inhibiting the growth of bacteria and fungi.

**maiAnti-Fungi** (For maiColour Core & maiPalvo)

- Tested based on the ASTM G21 standard.
- Fungi tested: *Aspergillus niger*, *Penicillium pinophilum*, *Chaetomium globosum*, *Gliocladium virens* and *Aureobasidium pullulans*.

**maiFood Contact Safety** (For maiColour Core & maiPalvo)

- Our laminates products are certified by ISEGA, a laboratory in Germany, to be safe for use for food preparation and treatment on the basis that hygiene regulations are not violated.

**maiAnti-Scuffing** (For High Gloss)

- A standard quality for High Gloss surface finish.
- Micro-solid particles are added to protect laminate surface from scuff.

**maiAnti-Fingerprint** (For maiInvisible-T)

- A special quality made possible with the application of Electron Beam Curing (EBC) technology on laminate surface.
- It requires minimal maintenance. Please use plain water and cloth to remove sweaty and greasy fingerprints, and oil.

## Product Specification

Based on European Standard EN 438

Property	Property or attribute	Unit (min. or max.)		EN 438 Values HGS
Resistance to Surface Wear	Wear Resistance	Revolutions (min.) Initial point Wear value		150 350
Resistance to Impact by Small Diameter Ball	Spring Force	N (min.)		20
Resistance to Impact by Large Diameter Ball	Drop Height Indent Diameter	mm (min.) mm (max.)	800 10	
Resistance to Scratching	Force	Rating (min.)		3
Dimensional Stability at Elevated Temperature	Cumulative Dimensional Change	% (max.)	L a) T b)	0.55 1.05
Resistance to Immersion in Boiling Water	Appearance	Rating (min.) Gloss finish Other finishes	3 4	
Resistance to Dry Heat (180°C)	Appearance	Rating (min.) Gloss finish Other finishes	3 4	
Resistance to Wet Heat (100°C)	Appearance	Rating (min.) Gloss Finish Other finishes	3 4	
Resistance to Staining	Appearance	Rating (min.) Groups 1 & 2 Group 3	5 4	
Lightfastness (Xenon Arc)	Contrast	Grey scale rating		4 to 5
Resistance to Water Vapour	Appearance	Rating (min.) Gloss finish Other finishes	3 4	
Resistance to Cigarette Burns	Appearance	Rating (min.)		3
Resistance to Cracking Under Stress	Appearance	Rating (min.)		4
Density	Density	kg/m³ (min.)		1350

a) L = in the longitudinal (or machine) direction of the fibrous sheet material (normally the direction of the longest dimension of the laminate).

b) T = in the cross-longitudinal (cross-machine) direction of the fibrous sheet material (at right angles to direction L).

c) The above is a general Product Specification. Please contact our Sales Specialists for specific Product Specification.

Maintenance & Cleaning Instructions

General Cleaning Instructions:

- 1. Use a clean, damp, non-abrasive cloth and mild soap, non-bleach or household cleaner.
- 2. Rinse with clear water, using a clean, non-abrasive cotton cloth.
- 3. Avoid flooding laminate particularly areas near to seams to prevent water from seeping in and consequently causing substrate to swell.
- 4. Dry laminate surface with a soft, clean, non-abrasive cotton cloth.

For Stubborn Stains:

- 1. Food stains: Use a mild cleaner, detergent or general purpose cleaner, and a short, soft nylon-bristled brush to gently clean stains.
- 2. Ink stains: Remove stains immediately, using detergent or glass spray cleaner. Allow cleaner to remain on the stain for several minutes and then blot with a damp cloth before rinse.
- 3. Solvents such as denatured alcohol, nail polish remover or paint thinner can be used sparingly for very stubborn stains.

Caution: Excessive use of solvents will damage the laminate finish and cause it more susceptible to stains. Do not use cleaning agents containing acid, alkaline or sodium hypochlorite on laminate surface to avoid corrosion or permanent discolouration.

To prolong the lifespan of Maica's laminate surface:

- Do not use laminate surface as a cutting or chopping surface.
- Always remove stains or marks immediately before they set. Once set, they require more aggressive cleaning procedures that may damage laminate surface.
- Place a trivet, insulated hot pad or other protective padding beneath all hot cookware, heat generating appliances or other heated objects instead of putting it directly on laminate surface.
- Do not use steel wool or abrasive pads on laminate surface, and do not place steel wools on it to avoid metal rust stains.
- Do not slide ceramics and abrasive objects across laminate surface as they may cause scratch and premature wear.
- Do not use acidic or abrasive cleaning agents on laminate surface as it may damage surface.
- Do not allow contact between any materials or items contaminated with acidic or abrasive cleaning agents and laminate surface.

Disclaimer

- The samples and products of Maica are manufactured with certain tolerances. They may not originate from the same batch of production. Pigment variation and angle of observation may influence the colour of products. For accurate representation, customers are advised to request samples from our Sales Specialists.
- Sample chips in this catalogue are intended for viewing purpose only. For product tests, please request for actual product samples.
- Maica will not be responsible for any claim arising from any errors in pasting sample chips in the catalogue. Therefore, customers are expected to inspect the products they receive before fabrication or installation.
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International Sales Enquiries

MAICA LAMINATES SDN BHD (107254-D)

5100, Lorong Mak Mandin 5, Mak Mandin Industrial Estate,  
13400 Butterworth, Penang, Malaysia.  
T : +604 - 332 7436 / 332 7437 / 332 7439 / 332 7440  
F : +604 - 332 6570 (Marketing) / 332 4045 (General)  
E : marketing@maica.com.my

Sales & Distribution (Malaysia)

mailHotline

T : +6016 - 416 5687 / +604 - 332 7436  
E : kringkring@maica.com.my

MAICA CORPORATION SDN BHD (90632-U)

Administration Office, Penang  
5100, Lorong Mak Mandin 5, Mak Mandin Industrial Estate,  
13400 Butterworth, Penang.  
T : +604 - 324 1436 / 324 5436  
F : +604 - 324 9405  
E : mchq@maicacorp.com

Butterworth, Penang

902, Jalan Bagan Ajam, Taman Zamrud,  
13000 Butterworth, Penang.  
T : +604 - 332 7200 / 332 7201  
F : +604 - 331 8258  
E : maicabtw@maicacorp.com

Petaling Jaya, Selangor

No. 25 & 27, Jalan PJS 7/21, Bandar Sunway,  
46150 Petaling Jaya, Selangor.  
T : +603 - 5631 5868 (Hotline)  
F : +603 - 5631 5889 (General) /  
+603 - 5638 3213 (Customer Service)  
E : maicapj@maicacorp.com

Johor Bahru, Johor

No. 31 & 33, Jalan Mutiara Emas 5/23, Taman Mount Austin,  
81100 Johor Bahru, Johor.  
T : +607 - 354 0011 / 353 6185  
F : +607 - 353 6187 / 351 1905  
E : maicajb@maicacorp.com

Kota Kinabalu, Sabah

No. 2A, Lot 22, Industry E33 Likas, Mile 2 1/2, Jalan Tuaran Likas,  
88400 Kota Kinabalu, Sabah.  
T : +6088 - 278 897 / 278 898  
F : +6088 - 278 808  
E : maicasbh@maicacorp.com

Kuching, Sarawak

Lot 128 – 130, Vista Industrial Park, Jalan Muara Tabuan,  
93350 Kuching, Sarawak.  
T : +6082 - 481 012 / 481 013  
F : +6082 - 482 009  
E : maicaswk@maicacorp.com



LEGEND



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maiUNIQ

The Exquisiteness of Maica  
Extravagant and Premium

mai<sup>TM</sup>

U<sup>n</sup>folding

N<sup>o</sup>vity

I<sup>m</sup>peccability

Q<sup>u</sup>aintness

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