

COMPLETE

COMPACT LAMINATE

SOLUTIONS



UNMATCHABLE QUALITY

INCREDIBLE PRICES

PROMPT DELIVERY

FLEXIBLE DESIGN,

COLOURS

&

APPLICATION



Maica

COMPACT LAMINATES

**MisR
Architect**

Introduction

Since the beginning of our company and we are providing the construction sector of the Arab Republic of Egypt with the best products of compact laminate from an international companies .

And now, we are proud to introduce our new facility at Badr city in Egypt for producing compact laminate products after signing an agreement with Maica international for the supply of the needed material for manufacturing and marketing for same material .

منذ تم إنشاء الشركة وهي توفر لقطاع الأنشاءات فى جمهورية مصر العربية أفضل منتجات **Compact Laminate** من إنتاج شركات عالمية .

والآن نحن فخورين بأن نقدم لكم إنجازاً جديداً يقدمه مصنعنا بمدينة بدر بجمهورية مصر العربية والمتخصص فى تصنيع المنتجات المستخدم فيها ألواح **Compact Laminate** وذلك بعد عقد اتفاق مع شركة **Maica** العالمية لإنتاج هذه الألواح لتزويد الشركة من الخامات المطلوبة للتصنيع وأيضاً فى التسويق لنفس الخامة فى جمهورية مصر العربية .

What are the uses of Maica compact laminate :

- Toilet and changing room partitions .
- Lockers and benches .
- Clean room partition and laboratory counters .
- Wall cladding and office partitions .
- Kitchen counters and units .

Why we use Maica compact laminates :

- Maica sheets are following the international British and German standards .
- Maica sheets are solid .
- Maica sheet are following the international quality standards ISO 9001 : 2000
- Maica sheets have a wide variety of colours , thickness and designs .
- Anti bacterial grad are available .

.. ماهى استخدامات ألواح

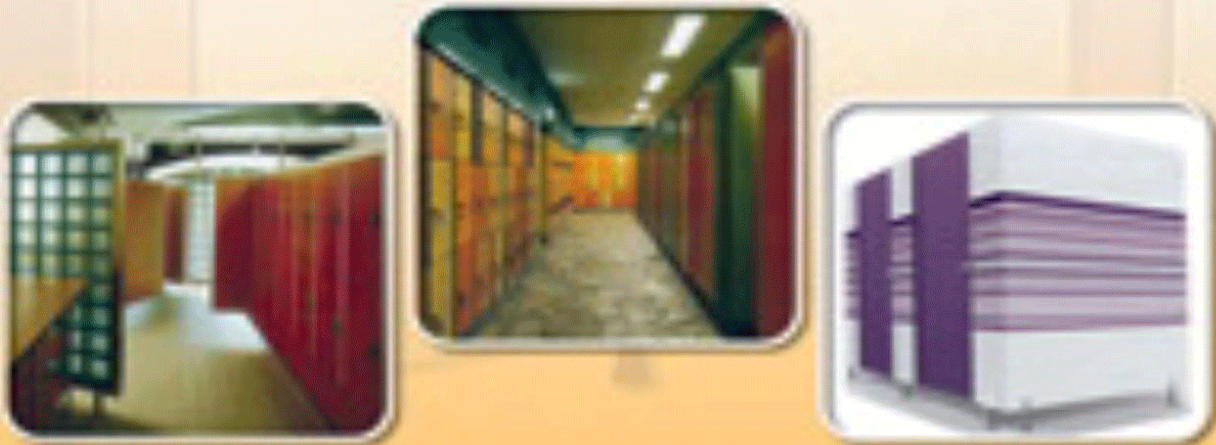
Maica Compact Laminate

- قواطع الحمامات وغرف خلع الملابس
- دواليب خلع الملابس والبنشات
- قواطع الغرف المعقمة وأسطح المعامل
- تجاليد للحوائط وقواطع ودواليب المكاتب الإدارية
- أسطح ووحدات المطابخ المقاومة للمياه

.. لماذا نستخدم ألواح

Maica Compact Laminate

- تطابق الواح شركة **Maica** المواصفات العالمية البريطانية والألمانية
- تتميز الواح شركة **Maica** بالصلابة
- تطابق الواح شركة **Maica** معايير الجودة العالمية وتعمل الشركة بنظام **ISO 9001: 2000**
- يوجد لدى شركة **Maica** كثير من التصميمات المختلفة ذات الوان وتخانات متعددة
- لدى شركة **Maica** الواح للمعامل مقاومة للبكتريا



Product Process

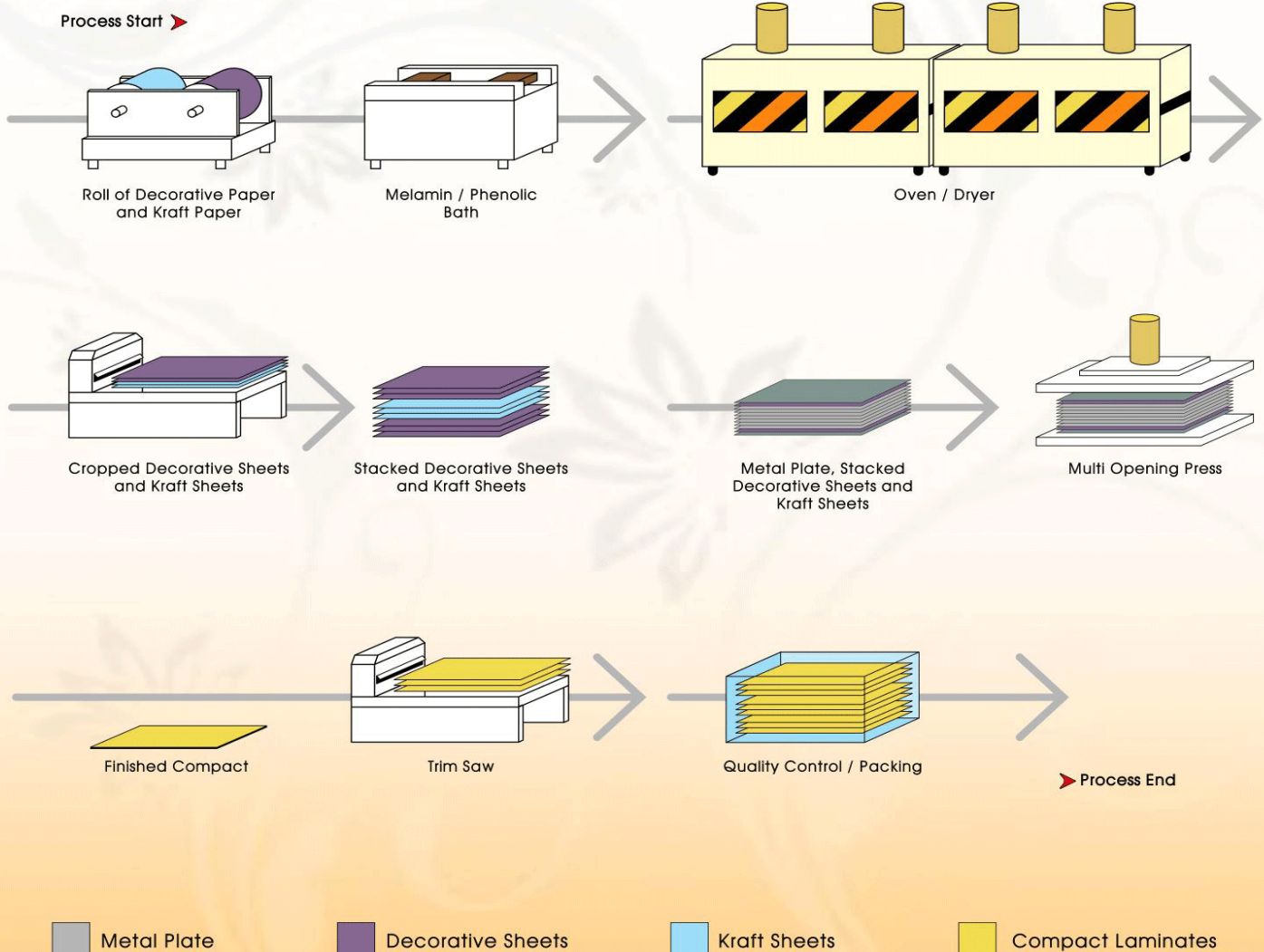
MAICA Compact laminates are manufactured by fusing layers of set kraft papers and pattern papers using high pressure and heat to form a perfectly even product with a solid core .

prior to setting the papers for pressing , the papers are impregnated with resins - phenolic resin for kraft paper and melamine resin for pattern paper . these resins permeate and assimilate into the papers during the thermopressing to form a steadfast and durable compact bond .

The thickness of the compact laminate produced is determined by the number of assembled sheets of kraft paper . the assembled or set paper, together with the required surface

finish mould, is then pressed under high pressure and temperature to form the solid compact laminate . The precision and quality of the surface mould determines the surface quality of the finished product .

The pressed compact laminate edges are then fine cut by diamond tip saws to form the immaculate flat edges of the finished product. The pressed compact laminate edges are then fine cut by diamond tip saws to form the immaculate flat edges of the finished product. The finished compact laminate is subjected to stringent quality assurance checking to ensure the products delivered to customer meets the customer's requirement .



Toilet, Showers & Changing-Room Partitions

MisR Architect Toilet Partitions

Solid Phenolic Core is a unique material which is resistant to delamination even under severe steam, water, or hose don conditions. sound absorption. rigidity make it an excellent choice for both toilet and shower partitions. Matching waterproof counter tops are available to create a complete color coordinated insallation.

Applications

Humid and wet areas. Resists water, oil, and bacteria. withstands hose down cleaning recommended for outdoor parks,pools,and shower rooms.

Doors

Shall be 12 or 19 mm. thick solid phenolic core.

Edges shall be rebated for privacy.

- Standards door size 610 mm.
- Handicapped door size is 910 mm.
- Standard door height is 1800 mm.

Panels

Shall be 12 or 19 mm. thick solid phenolic cor.

- Standard panel width is 1500 mm.
- Standard panel height is 1850 mm.

Pilasters

Shall be 12 or 19 mm. thick solid phenolic cor.

Edges shall be rebated for privacy.

- pilaster width 75-100-125-150-200-250-300-350-400 mm.
- pilaster height 1850 & 2000 mm.

MisR Architect قواطع الحمامات

من الفينوليك المتين والفريد الذى يقاوم التقشر حتى فى أقسى أحوال البخار أو الماء أو التنظيف كما أنها تمتاز بخاصية أمتصاص الأصوات والمتانة مما يجعلها خياراً ممتازاً لكلاً من قواطع الحمامات والمرابوش .

توافر أسطح المغاسل المقاومة للماء يجعلها مثالية كنظام متكامل متناسق الألوان .

مجالات الاستخدام

للمناطق الرطبة والمبللة، تقاوم تأثير المياه والزيوت والبكتريا، وهى تقاوم آثار عمليات التنظيف وينصح باستخدامها فى التركيبات الخارجية كغرف المرابوش والمسابع والمعارض .

الأبواب

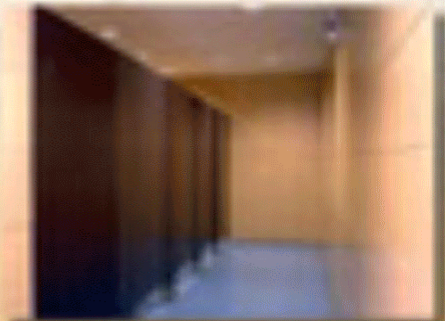
- مصنوعة من الفينوليك المتين سماكة ١٢ أو ١٩ ملم .
- كما ستكون الحواف مفروزة لتأمين الخصوصية .
- مقاسات الأبواب ٦١٠ ملم .
- مقاسات الأبواب الخاصة بالمعوقين ٩١٠ ملم .
- ارتفاع الأبواب القياسية ١٨٠٠ ملم .

ألواح القواطع

- مصنوعة من الفينوليك المتين سماكة ١٢ أو ١٩ ملم .
- عرض الألواح القياسية ١٥٠٠ ملم .
- ارتفاع الألواح القياسية ١٨٥٠ ملم .

القوائم

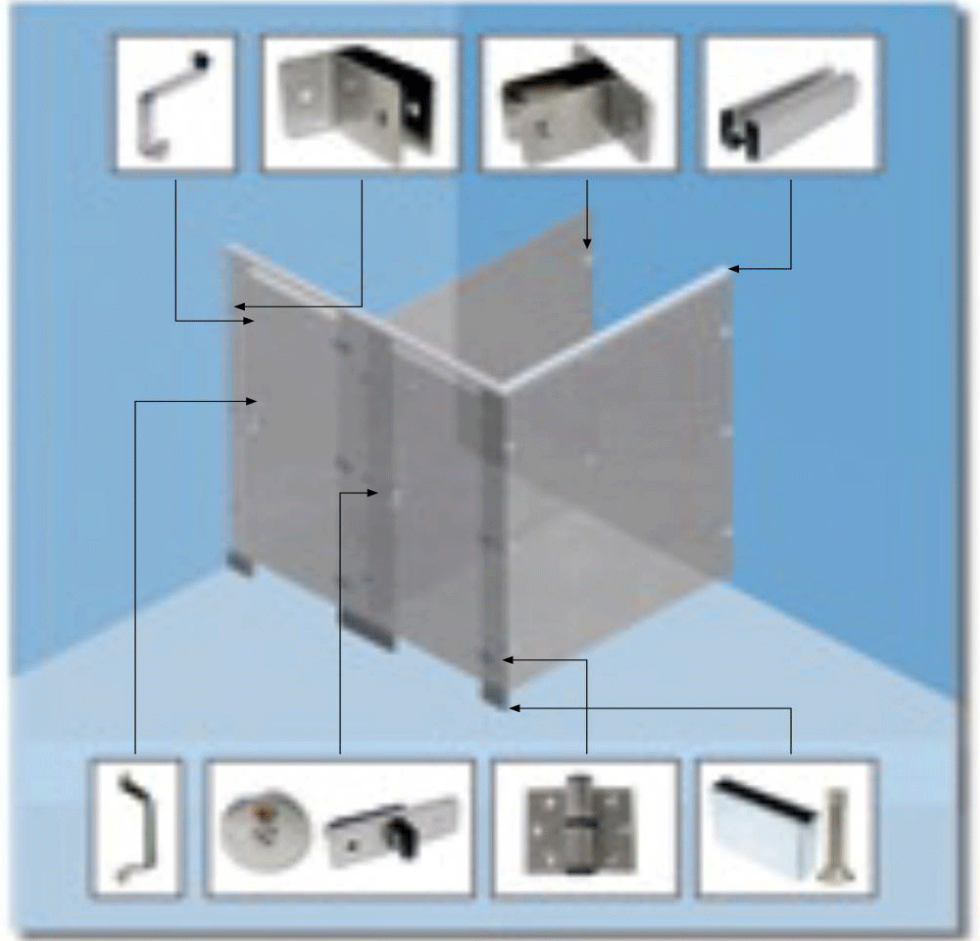
- مصنوعة من الفينوليك المتين سماكة ١٢ أو ١٩ ملم .
- الحواف مفروزة لتحقيق الخصوصية .
- عرض القوائم ٧٥ - ١٠٠ - ١٢٥ - ١٥٠ - ٢٠٠ - ٢٥٠ .
- ارتفاع القوائم ١٨٥٠ و ٢٠٠٠ ملم .



MODEL A100

This model is manufactured from 12 mm sheet thickness & all accessories are from stainless steel grade 304 following the european standards

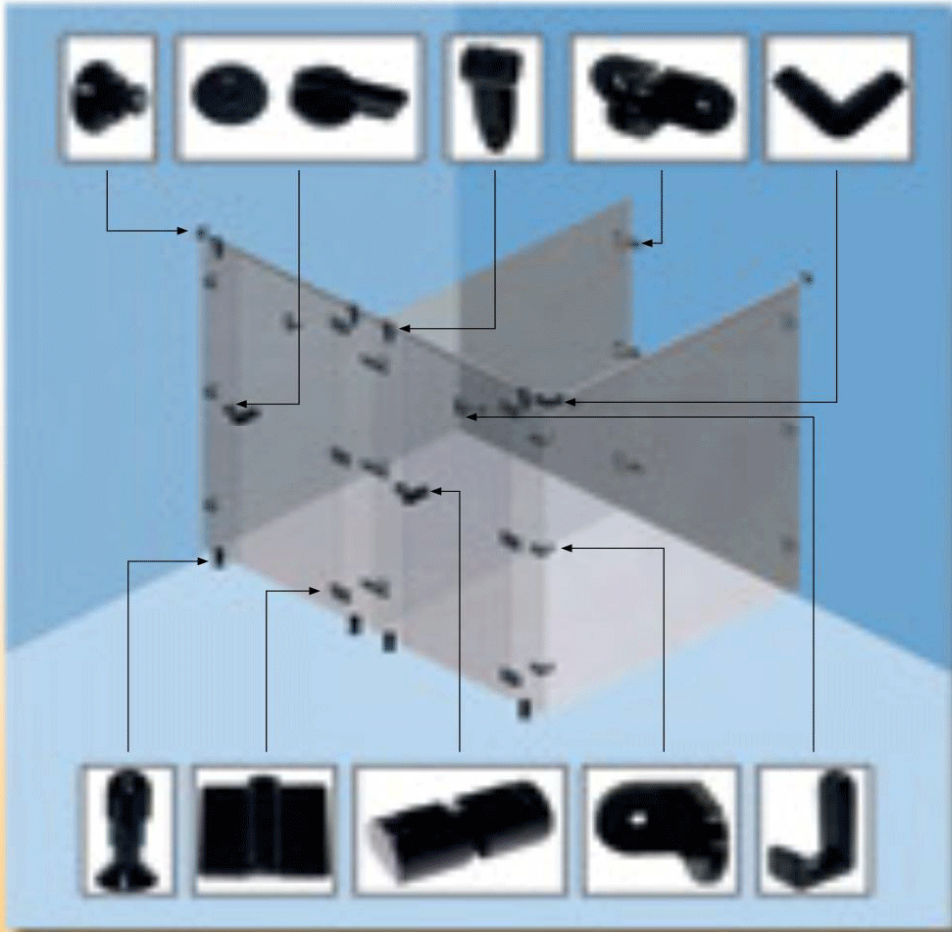
يتم تصنيع هذا الموديل من ألواح
تخانة ١٢ مم وتكون الأكسسوارات
من الأستانلس ستيل (grade 304) طبقاً
المواصفات الأوروبية



MODEL A200

This model is manufactured from 12 mm sheet thickness & all accessories are from plastic in black colour following the european standards

يتم تصنيع هذا الموديل من ألواح
تخانة ١٢ مم وتكون الأكسسوارات
من البلاستيك باللون الأسود طبقاً
المواصفات الأوروبية



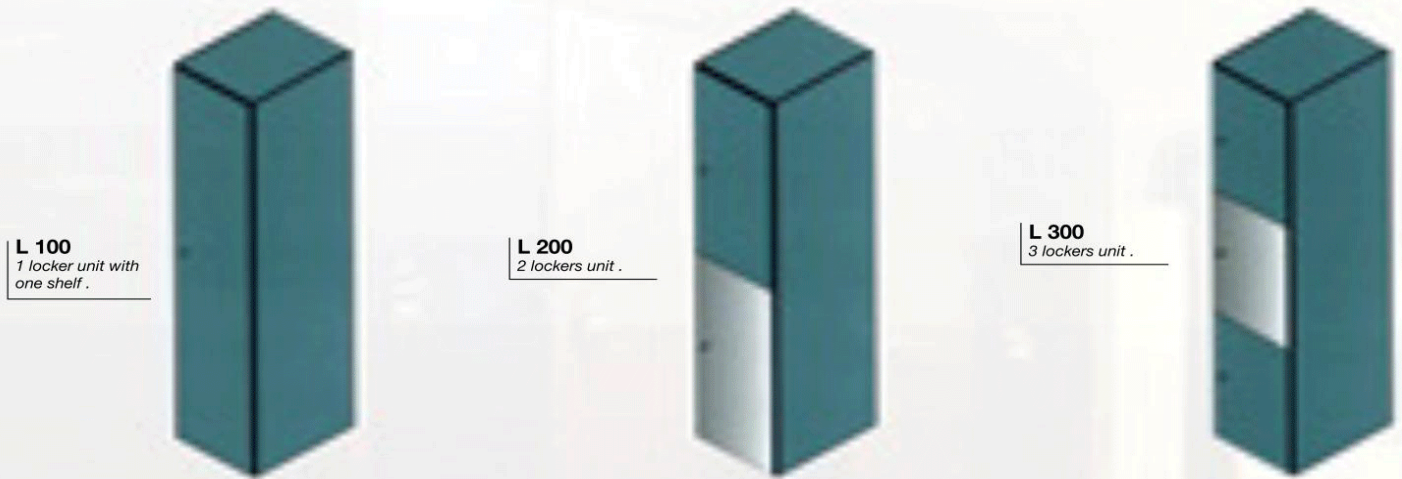
Lockers & Benches



Changing-room locker systems and benches are made of 12 mm thick panels.

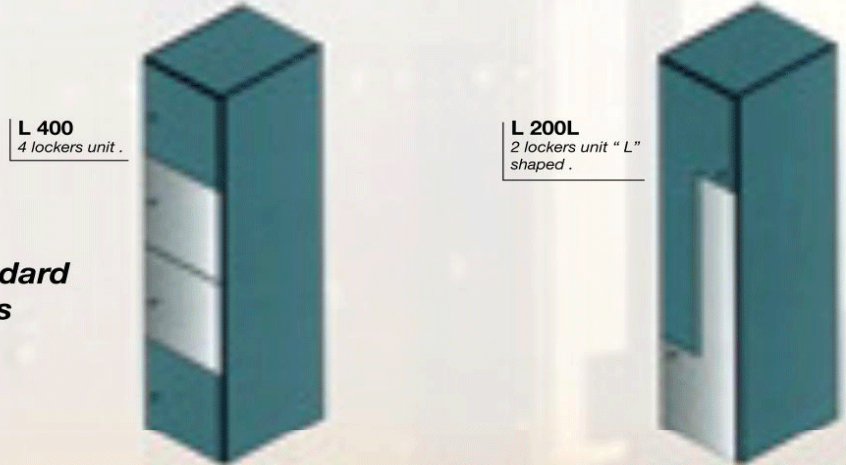
Our best combination of design and state-of-the-art technology result in an extensive range of styles, colors and sizes for every individual storage needs.

1. LOCKER SYSTEM I

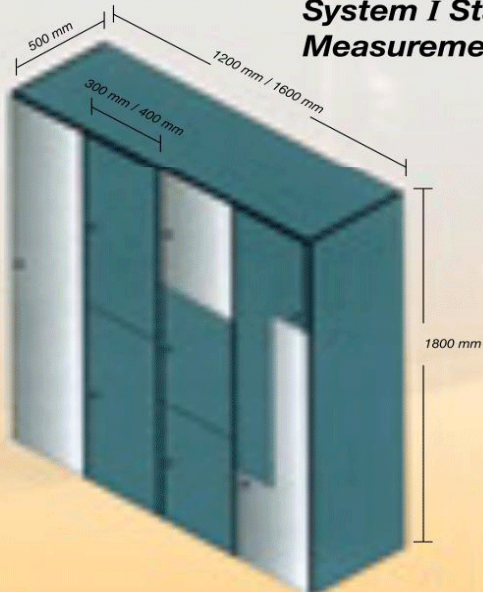


System I Lockers Include :

- * 12 mm doors.
- * 8 -10 mm shelves and dividers.
- * 6 mm back.
- * Lever key lock.



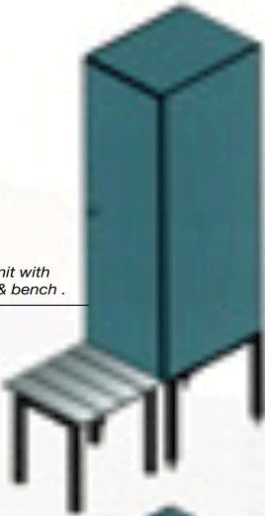
System I Standard Measurements



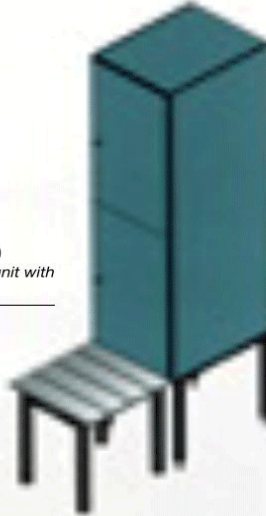
Lockers are manufactured in groups of 1,2,3, or 4 units

2. LOCKER SYSTEM II

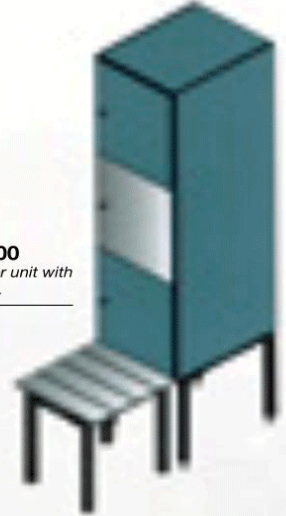
LB 100
1 locker unit with
one shelf & bench .



LB 200
2 locker unit with
bench .



LB 300
3 locker unit with
bench .



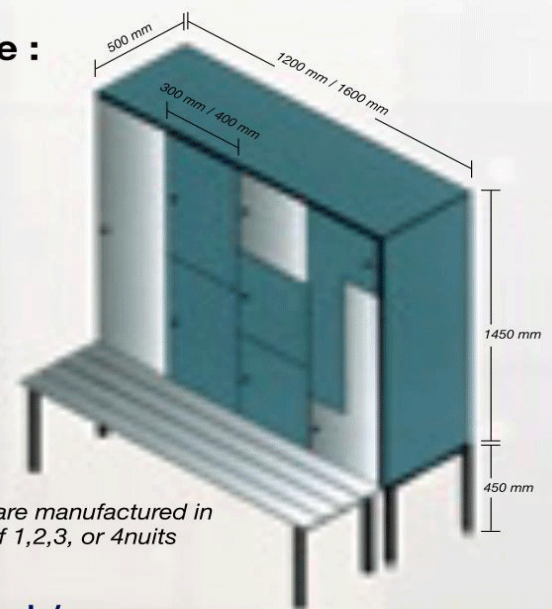
LB 200L
2 locker unit "L"
shaped with
bench .



System II Lockers Include :

- * 12 mm doors.
- * 8 -10 mm shelves and dividers.
- * 6 mm back.
- * Lever key lock.
- * Base frame.
- * Changing-bench

System II Standard Measurements



Lockers are manufactured in
groups of 1,2,3, or 4 units

Specifications

● Lockers ...

Locker material made of Maica flat panel
Drilling & edging are done by machines &
then polished .
Doors are made of 12 mm Maica panels.
Dividers, top & bottom are made 8 -10 mm.
Back of lockers is 6 mm.
Hinges are heavy duty nickel plated with 240
opening angel. Hinges are provided with catch
& maintenance-free hardened steel axle.
Hinges are sunk in the doors & height adjust-
able ± 15 mm.

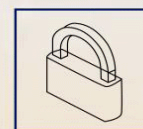
● Benches ...

seating top and back are made of 12 mm
Maica strips. Frames tubes are made of
chemically treated & powder coated steel.
Adjustment feet are supplied in case of any
unevenness of the floor.

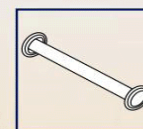
Additional / Optioal Items



Lever Lock



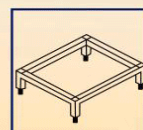
Pad Lock



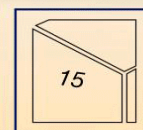
Hanging Rod



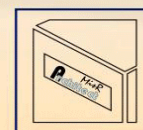
Coat Hanger



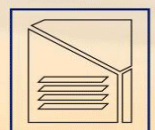
Base Frame



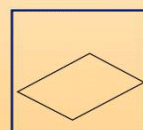
Numbers



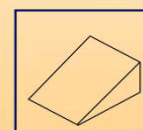
Logo



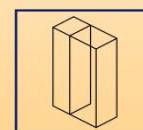
Ventilation



Extra Interior
Shelf



Slope Top



13mm Side
Panel

Wall Cladding & Office Furniture

Fine Furnishing

Compact laminates can be a stylish extension of your lifestyle.

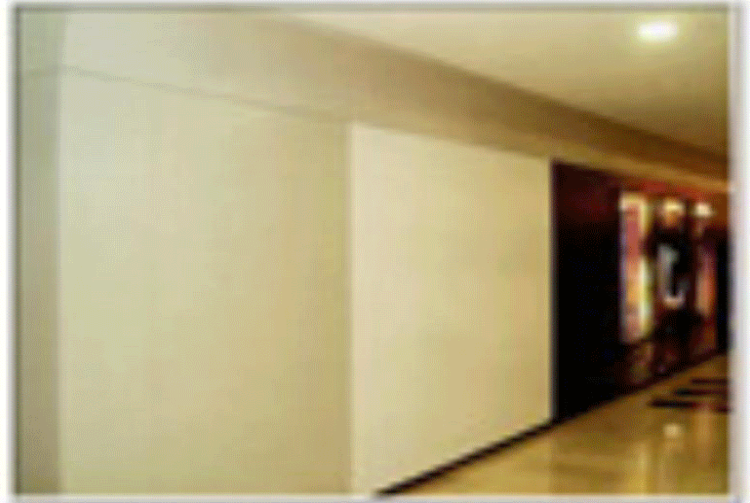
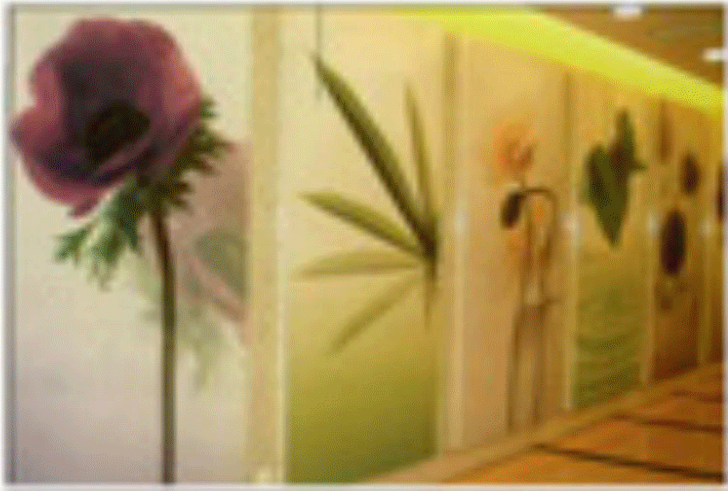
MAICA compact laminate furnishings exude confidence, elegance and practicality with its clean, sleek lines.

Compact laminates are the answer for a convenient, functional, durable yet easily maintainable surface.

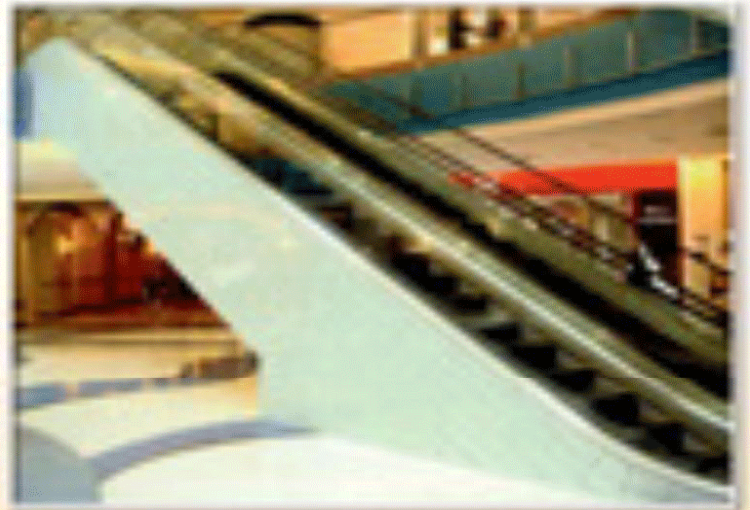
Compact laminate is exceptionally high quality.

Attractive high quality accessories to match.

Wide choice of beautiful yet trendy colours to suit your unique needs.



MAICA
Packaging



Product Specification

Performance Properties	Determination of properties	Standard	Unit	Maica Values
Resistance to surface wear	Wear resistance	EN 438-2:10	Revolution: Initial point wear value	≥ 150 ≥ 350
Resistance to impact by large diameter ball	Drop height Diameter of indentation	EN 438-2:21	mm mm	1800 6.3
Resistance to scratching	force	EN 438-2:25	Rating	3
Resistance to dry heat at 180° C	Appearance	EN 438-2:16	Rating	4
Resistance to wet heat at 100° C	Appearance	EN 12721	Rating	4
Resistance to immersion in boiling water after 2 hours	Mass increase Thickness increase Appearance	EN 438-2:12	% % Rating	0.35 1.5 4
Dimensional stability at elevated temperature	Cumulative dimensional change	EN 438-2:17	% (L) % (B)	0.11 0.15
Resistance to staining	Appearance Groups 1 and 2 Groups 3	EN 438-2:26	Rating	5 5
Resistance to colour change in xenon Arc light (UV -A)	Contrast	EN 438-2:27	wool scale	5
Resistance to steam	Appearance	EN 438-2:14	Rating	4
Resistance to cigarette bums	Appearance	EN 438-2:30	Rating	5
Resistance to crazing	Appearance	EN 438-2:24	Rating	4
Flexural modulus	Stress	ISO 178	N/mm ²	> 9000
Flexural strength	Stress	ISO 178	N/mm ²	> 80
Tensile strength	Stress	ISO 527-2	N/mm ²	> 60
Density	Density	ISO 1183	Kg/m ³	> 1350
Physical	Thickness (t)	EN 438-2:5	mm	2.0 ≤ t < 3.0 mm: ± 0.20 mm 3.0 ≤ t < 5.0 mm: ± 0.30 mm 5.0 ≤ t < 8.0 mm: ± 0.40 mm 8.0 ≤ t < 12.0 mm: ± 0.50 mm 12.0 ≤ t < 3.0 mm: ± 0.60 mm 16.0 ≤ t < 3.0 mm: ± 0.70 mm 20.0 ≤ t < 3.0 mm: ± 0.80 mm 25.0 ≤ t : in consultation With the customer
	size	EN 438-2:6	mm	-0 / + 5
	squareness	EN 438-2:8	mm	1.5mm/m
	Flatness	EN 438-2:9	mm/m	3mm/m
Fire behaviour	Surface spread of flame	BS476:7	Rating	1



Maintenance Free



Chemical Resistant



Fire & cigarette Burns Resistant



Space Saving 12 mm Thick



Hygienic & Easy to clean



Water & Moisture Resistant



Impact, Scratch & Wear Resistant



Decorative & Wide Choice of Colors

Clean Room Partitions & Laboratory Counters

Special environments for example Hospitals and Laboratories require not only surfaces which are easily cleaned and disinfected but also surfaces which are free from algae, moulds and fungi. MAICA Anit-Bacterial surface is highly recommended for these areas as it has been proven to inhibit bacteria growth. Anit-Bacterial surfaces are extremely crucial in sterile environments such as Operating Theatres and intensive Care Units as they reduce the risk of cross infections due to contaminated surfaces.

When it comes to hygiene, there should be no compromise. Choose MAICA Anti-Bacterial Surfaces.

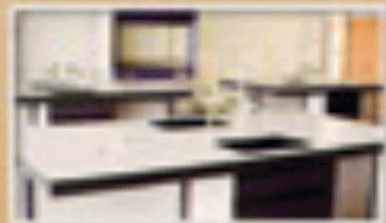
MAICA Anti-Bacterial compact laminate surface is non toxic, inert and hypoallergenic, making it an ideal surface for furnishings in nurseries, kindergartens, children's activity and play areas, pantries, cafeterias and food storage and handling areas.

Lab Workspace

Laboratories require special surfaces which are able to withstand not only high wear and tear, scratches and stains, but also the added protection of surfaces that are chemical resistant. MAICA compact laminates are certified by SIRIM as suitable laboratory tops for a majority of common abrasive and corrosive chemicals widely used in laboratories. Kindly contact MAICA sales team for further information on these chemical tests.

MAICA compact laminates are not only durable, they also come in a variety of pleasant colours and designs that make designing a breeze.

Compact laminates add a touch of class to any environment with their immaculate clean cut lines.



Characteristics

Maica laboratory compact laminate is tested by SIRIM international laboratory (test report no. 200 I KL0981) and manufactured according requirements of :

German standard (DINEN 438-1 / BSEN 438-1 Japanese standard (JISK 6902) , ISO - 4586 - 1 & ISO 4586

Physical Properties	Test Method	Unit	Typical Testing Results
Thickness Tolerance	DIN 16926 BS EN438-1 ISO 4586-1	mm	+0.5mm
Resistance to staining	DIN 16926 BS EN438-1 ISO 4586-1	Effect	No Visible change
Resistance to Boiling water (2 hours at 1000 C)	JIS k6902	%Thickness	< 1 %
		%Weight	< 1 %
Heat Resistance Vegetable Oil (2 minutes at 1000 C)	JIS k6902	Effect	No Effect
Resistance to wear	JIS k6902	No.of Revolutios	> 500
		Gms/100 Cycles	< 0.08
Density	BS2782	KG / M3	1435
Resistance to cigarette Burns	DIN 16926 BS EN438-1 ISO 4586-1	Effect	Does Not Burn
Resistance to termites		Effect	No Attacked

Physical Properties (Technical Data)

Sirim Test Report No .200IKL0981

Compact laminate : MAI016 & MAI032

The list shows chemicals which have no effect after 24 hours

- | | | |
|--|------------------------------------|---|
| Acetic acid (100 %) | Acetone | Alcohol |
| Ammonia (25 %) | Ammonium chloride (10%) | Ammonium Thiocyanate (41%) |
| Ammonia Sulphate (33 %) | Amyl Acetate | Methyl Ethyl Ketone (100%) |
| N-Hexane | Barium Chloride (Saturated) | Barium Sulphate (25%) |
| Benzene | Chromic Acid Mixture | Dichloromethane (99%) |
| Boric Acid (Saturated) | N-Butyl Acetate | cadmium Acetate Dihydrate (Saturated) |
| Calcium Sulphate Hydrate (Saturated) | Calcium Carbonate (Saturated) | Hydrogen peroxide (3%) |
| Lactose Monohydrate (Saturated) | Lead (II) Acetate Trihydrate (42%) | Lead (II) Nitrate (Saturated) |
| Trisodium phosphate (10 %) | Magnesium Chloride | Magnesium Sulphate Heptahydrate (43%) |
| Methanol | Ammonia water (28%) | phenol (95%) |
| potassium Bromate (Saturated) | potassium Bromide (30%) | Formalin (> 40%) |
| potassium chloride (Saturated) | potassium Hydroxide (49 - 50%) | Natrium Acetate (24%) |
| potassium sulphate (Saturated) | Isopropanol | Sodium Acetate (Saturated) |
| Calcium chloride Dihydrate (41%) | Calcium Hydroxide (Saturated) | Choral Hydrate(54%) |
| Chloroform (99.5 %) | Citric Acid (30%) | Copper Sulphate (10%) |
| Ethanol | Diethyl Ether | Ethyl Acetate |
| Formaldehyde (37 %) | Glycerine | Sodium carbonate |
| Sodium Chloride | Sodium Nitrate | Sodium phosphate |
| Sodium Sulphate (Saturated) | Starch Soluble (Saturated) | Styrene |
| thymol (Saturated) | Toluene (99%) | Tetrachloromethylene (99%) |
| Xylene | Zinc Chloride | Zinc Sulphate Heptahydrate (34.66%) |

The list shows chemicals which have no effect if removed immediately

- | | | |
|---------------------------|--------------------------|---------------------------|
| Hydrofluoric Acid (15%) | Hydrogen Bromide (15%) | Formic Acid (15%) |
| Sulfuric Acid (60%) | Nitric Acid (60%) | Hydrofluoric Acid (60%) |

No effect with short trem contact (less than 15 minutes)

- | | | | |
|-------------------------|-------------------|---------------------------|-----------------------------|
| Aluminium chloride | Ferric chloride | Hydrogen peroxide (30%) | Iodine (30%) |
| Mercury (II) chloride | Methylene Blue | Oxalic Acid | phosphoric Acid (15%) |
| potassium Dichromate | potassium Iodide | potassium permanganate | Sodium Hypochlorid (5.7%) |
| Sodium Thiosulphate | potassium Nitrate | Sodium Sulphite | Sodium Hydroxide (49-50%) |



Solid Colour



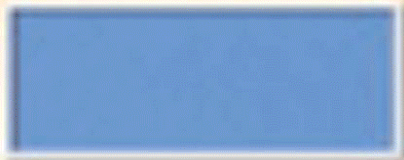
M 01993



M 01597



M 10300



M 11000

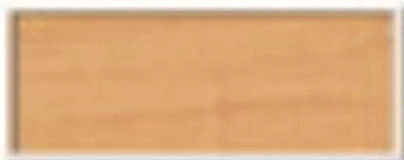


M 01034



M 10900

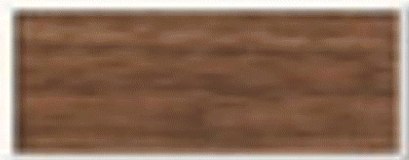
Woodgrain



M 00436



M 33301



M 32901

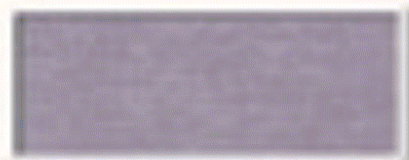
Stone & Design



M 20102

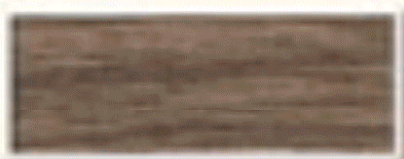


M 20103



M 20105

Eminence Collection



M 30602



M 20100



M 32702

Other Colours and Designs are Available Upon Request