



MAAG

OCT • NOV • DEC 2015



mailnvisible - T

Melamine
in your food?

Multicom
with 6mm
maiCompact



maimai's World



We have reached the end of year 2015. It was a year full of challenges for all of us, but nevertheless, all of us had managed to pull through the year with minimal scratches and bruises.

In fact, there were quite a few celebrations, as maimai attended the MID Annual Ball, MGBC Annual Dinner and MGBC Members' Night during this Q4 of 2015. Meanwhile, one of our maimai had been asked to provide a 5-min product presentation at the CPD Seminar organized by MGBC itself at Shah's Village Hotel, P.J.

At home in the manufacturing plant, all the maimai are getting into the festive mood, with the use of used toilet rolls and left-over Styrofoam, cotton and printed cards to create the Christmas atmosphere at the company's reception. The use of these materials are also part of Maica's unwritten policy for the support of the environment.

For this issue, we are celebrating the season with a feature of our loyal supporter in New Zealand, Resco. They have been using Maica's maiCompact 6mm for their wall systems with a lot of success, and we shall look into their wonderful system in the article.

The upcoming year will be yet another busy year, and maimai hopes that we will all work together as a team to weather through the challenges ahead. Looking forward to see you in 2016!

maimai



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maiInvisible-T: A very Convenient Product



Dear Project Owners, do you have the issue of difficulties cleaning off finger prints and oil stains from your black colour surface laminates?

If your answer is "Yes", you can understand the frustration of using black colour laminates. However, maimai has a solution for you, with the launch of maiinvisible-T during the ARCHIDEX 2015.

What is maiinvisible-T?

maiinvisible-T is a high pressure decorative laminates of thickness 1.0mm with a specially treated black colour surface. It comes with a black colour core to eliminate the need for additional edging, to minimize your trouble of sourcing for edging materials.

The specially treated black colour surface is **Anti-Finger Print**. Yes, you read it right. In fact, you may also easily **clean off oil stains with water and cloth, no need for soap and water**. In addition to that, this **water resistant** panel is also anti-scrub. If you have seen the demonstration at our ARCHIDEX 2015, you will know that scuff lines can be cured by heat transfer.

- Step 1: Scuff lines visible on panel
- Step 2: Spray with water
- Step 3: Put a piece of cloth on the water area where the scuff lines are
- Step 4: Put an iron on the cloth for 15 - 20 seconds
- Step 5: Remove all, water evaporates and scuff lines no more



Easy Maintenance

Finger prints of sweaty palms will evaporate. Oil stains can be solved by applying plain water and wiping off with a piece of clean cloth. Scuffing damage to the surface can be treated via wet heat treatment.

For more information, please contact maimai at kringkring@maica.com.my



What happens if Melamine goes into your food?

This article is part 1 of a series of articles concerning the transfer of building materials into food. We choose Melamine as the first study, because Melamine is being used as a resin mix for the production of high pressure decorative laminates and compact laminates.

Maica products have been tested and certified for compliance with minimal transfer of building materials upon contact with food stuff, with limits within the allowable maximum to ensure safety to consumers. Melamine is one of the main component being measured in the test.

Melamine is a chemical compound. It contains nitrogen and generally appears as a solid white material. It is used in many products, such as laminates, dinnerware, insulation, soundproofing materials and in polymeric cleaning products such as Magic Eraser, fertilizers and sometimes illegally added into food products. When it is combined with formaldehyde as a resin, it becomes a very durable thermosetting plastic that may have some fire retardant properties that is used in the production of high pressure decorative laminates.

Melamine is described as "harmful if swallowed, inhaled or absorbed through the skin. Chronic exposure may cause cancer or reproductive damage. Eye, skin and respiratory irritant."

Melamine Contaminated Foods

Melamine may lead to reproductive damage, bladder or kidney stones, and bladder cancer. During the year 2007, there was a mass recall of pet food when it was found that the products were contaminated with melamine and caused serious illnesses or deaths in some animals that had eaten them.

Meanwhile, in 2008, several milk companies were implicated in a scandal involving milk and infant formula contaminated by melamine, which caused kidney stones and other renal failure in children in China. Deaths were reported as the young children exposed to the melamine experienced an increased incidence of urinary track stones by seven times. On January 22, 2009, three of those involved in the milk powder scandal were sentenced to death in a Chinese court.

While the milk powder scandal was being investigated, Hong Kong found "Selected Fresh Brown Eggs" imported from China to be contaminated with nearly twice the legal limit of melamine. This incident caused an alarm to the Hong Kong Centre for Food Safety, and from then onwards, all food products from mainland China including pork, farmed fish, animal feed, chicken meat, eggs and offal products were tested for melamine upon entry into Hong Kong.

The baseline tolerable daily intake (TDI) of melamine is 0.2mg/kg body weight. This was established based on a study on rats, not on humans. However, this TDI is applicable to exposure to melamine alone, not on the exposure of melamine plus other materials such as cyanuric acid, ammeline and ammelide.

Melamine use in HPL

Melamine is used in the resin mix for the production of high pressure decorative laminates. The mix is a melamine formaldehyde mix for high quality perseverance of the product. (Other than being used for HPL, melamine-formaldehyde resin mix is also being used for coating of food tins.) In the instances of melamine use in resin, only residual melamine would be available for migration into food stuff upon contact.

To verify the correctness of this claim, Maica Laminates sent our panels to the laboratory in Germany for testing. The test includes overall migration and specific migration of materials from the panels to food stuff upon contact. The test found that the migration of melamine into food stuff is either not determinable or lesser than 0.01mg/dm². The amount of migration is very low, so low that it is safe for the use of Maica's HPL and Compact laminate as table tops in dining areas or kitchen surface, provided that hygiene regulations are not violated.

If you require Maica's Certificate of Conformity for maiFood Contact Safety for your F&B or kitchen renovations projects, please contact your favorite maimai for more information. Email to kringkring@maica.com.my.

Centerspread -

ARCHIDEC 2015 photographic report



Multicom@ Resco New Zealand using maicompact bunn.



In New Zealand, Maica's 6mm Compact Laminate panel has been developed into a superior, cost-effective wall lining system.



The NZ company responsible for this innovation, Resco, has been supplying and installing the system called Multicom® for about 10 years and Resco director Elroy Thomson says there is no doubt demand is continually increasing. "The word is definitely spreading on Multicom®, it is the perfect add-on for clients installing our Compact Laminate cubicles," Mr Thomson explains.

Resco sought BRANZ appraisal for Multicom® and received approval after two years of independent, impartial research and rigorous testing of the product by the respected organisation. Mr Thomson points out their BRANZ Appraisal No.869(2014) proves Resco's wall panelling system is the smartest solution for wet, damp or graffiti-prone high-use areas requiring exceptional levels of hygiene.

Multicom® is a cost effective, rugged, one panel walling system; panels are blind fixed with no need for a conventional impact resistant backing sheet. The solid core Compact Laminate wall panels are 6mm thick. The large panel sheet size of 2450mm x 1850mm minimises the number of jointings. However sheets can be cut down to suit needs, providing flexibility and ensuring cost-effectiveness.

Custom aluminium jointers that incorporate built in expansion slots can be powder coated to match the panel. In non-wet areas (where Multicom® is also regularly used) they can direct fix onto timber frames without the need for battens or vent strips, resulting in cost savings for both installation and materials.

All Resco panels are extremely low maintenance, water, impact and graffiti resistant, and contain Antibac, an innovative new bacteria-repelling compound. Multicom® comes in New Zealand's largest choice of colours and backed by lengthy guarantees.



The Resco company is involved with an expanding range of high-profile building and refurbishment projects in New Zealand and the Pacific. In 2013 New Zealand's Auckland Art Gallery was awarded World Building of the Year at the prestigious World Architecture Festival, after first winning the Heritage, Interior and Civic Building categories.

Restroom cubicles of choice for this notable and multiple award-winning Auckland Art Gallery Toi o Tāmaki redevelopment were from Resco's solid core Compact Laminate range. Project architect Russell Pinel of Archimedia explains: "With the Gallery restrooms we wanted those discreet fixings, clean lines and minimum componentry taken to another level.

"For example a lot of time and effort was put into how the stalls were fixed to the floors and where they abut walls," he says. "We wanted all the surfaces flush, with no channels or gaps." Special hardware fittings were ordered for this project and a flush pelmet was created above the cubicle doors by the Resco team.

"We don't just do cubicles, we really help to create superior fit-for-purpose spaces that look great," says Resco product specialist Troy Henriques. "This job was really bespoke and obviously quite special."





New maiWoodgrain
13 designs launched during
ARCHIDEX 2015

13 new maiWoodgrain designs were launched during the ARCHIDEX 2015. Please contact your favorite maiSales for more information.



M 30412 Bourba Oak

M 32402 Attexo Ash

M 30411 Avoir Oak

M 30304 Lavado Maple

M 31206 Pocoraro Teak

M 30410 Pepier Oak

M 30612 Melmosa Walnut

M 30409 Polissa Oak

M 30104 Papilla Beech

M 30704 Titara Pine

M 30611 Ventata Walnut

M 31205 Mita Teak

M 32803 Missipa Chestnut

I'm not Siu-mai,
am maimai



... eats fruits, and leaves...
... and is an endangered animal in Malaysia?
The Malayan Tapir!

Spread the word,
conserve wildlife.



Extremely easy
to maintain



Scuff Resistance

maiInvisible-T

available in 1.0mm thickness
(4ft x 8ft)



Highly resistant to water



Anti-Finger Print



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Where
Imagination
Comes
To Life

Some things
never
Change

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