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Friday, 26 August 2016 | 9:00AM - 5:30PM
Dorsett Grand Subang

GREEN Seminar

"Update the latest Green Initiatives in paint industry."

BK Sinha

CEO, Malaysia Green Building Confederation, ceo@mgbc.org.my +6 012 481 2762



MGBC
MALAYSIA GREEN BUILDING CONFEDERATION

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.....we are a NGO and a industry membership based organisation

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.....please feel free to contact us for any
of your green building requirements

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OUR VISION

MGBC's vision is to make Green buildings and Communities available to all Malaysians; To be the leader of Green Building in Southeast Asia and become the main promoter of green practice, and the main sustainability reference organisation within the growing construction market sector. It aims to involve policymakers, professionals, and the society at large, in the quest for transforming the building industry into one that respects our environment by embracing green issues.

OUR MISSION

Malaysia Green Building Confederation (MGBC) will be the key driving force towards a Sustainable Built Environment in Malaysia.



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v to fill a gap in the development of a robust Green economy within the building and construction industry

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.....our next edition (5th) is now open business!!



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FEATURE | SETIA CITY MALL

Setia City Mall The Nation's First Green Mall



Pioneering a
revolutionary
transformation
in the Malaysian
retail landscape

Nestled in the award-winning Setia Alam township, Setia City Mall is Malaysia's first Green Building Index (GBI) and Singapore's BCA Green Mark rated shopping mall. Situated in Setia City, the township's integrated commercial hub, Setia City Mall also emerged winner in the retail category in FIABCI Malaysian Property Award 2013 for its exemplary eco-friendly features.

Jointly developed by Malaysia's leading property developer, S P Setia and one of the world's foremost property and infrastructure solution providers, Lend Lease, Setia City Mall is the ground-breaking lifestyle retail destination in the country to demonstrate an environmentally sustainable model in its overall development, operations and management.

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SETIA CITY MALL | FEATURE

The Design Concept

During the design stage, a comprehensive research on the best practices and in-depth case studies were conducted to act as the firm launch pad to develop simulation and computer software modelling which were geared towards meeting key sustainability requirements.

IEN Consultants undertook studies that involved daylight harvesting research, indoor air quality optimisation, glazing material comparison, identification of humidity sensors for air handling unit (AHUs), motor efficiency for fan coil units (FCUs) as well as usage of bi-folding versus double doors for air-fresco F&B outlets.

These studies revolved around the typical attributes of a mall to identify effective methods to improve a retail space that is bound to receive an abundance of shoppers. Main aspects such as energy efficiency, thermal comfort, enhanced safety and security design as well as water efficiency were taken into serious consideration as these are the essential elements of a shopping mall.

Comprehensive research on the best practices and in-depth case studies were conducted to act as the firm launch pad to develop simulation and computer software modelling to meet key sustainability requirements



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ENERGY EFFICIENCY

Managing energy is one of the fundamental aspects in sustainability; hence, important steps were taken into consideration in terms of energy efficiency at Setia City Mall. Installation of low-e glazing and roofing material with high Solar Reflectance Index (SRI) helps in reducing heat gain from the sun.

Each level of the parking lots is also naturally lit with T5 compact fluorescent light fittings complete with electronic ballast and lux sensor. Apart from that, to complement the employment of daylight source and efficiency of artificial lighting, the ceiling and columns of the parking lots are painted white to optimise their reflective luminosity.

There are also lux sensors installed at common areas such as main entrances, corridors, public corridor and back of house. To further save energy, the sensor will automatically switch off the lights when the lighting level goes above 50 lux. As for minimising energy consumption, High Coefficient of Performance (COP) chillers and high efficiency fans, motors and pumps are also utilised. Besides that, all escalators, travelers and lifts go into crawl speed or sleep mode when not in use to save energy.

THERMAL COMFORT

By fully understanding the local climate, research was also conducted to ensure a balanced thermal comfort to enhance shoppers' experience at Setia City Mall. It is pertinent to note that there's a general tendency for Malaysians to consider shopping malls as a place of cooling shelter during hot weather and thus, the assimilation of natural sunlight and indoor temperature was conceptualised to achieve a balanced thermal comfort.

Thermal comfort meters are installed to predict and maintain the temperature within reasonable levels during the design of Heating, Ventilation and Air-Conditioning (HVAC) systems. To complement this feature, low window-to-wall ratios (30%) and well-designed air-conditioning with efficient distribution systems are also installed allowing the building to achieve optimal thermal comfort levels.

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Operations & Management

Officially opened in the month June 2012, Setia City Mall presented a well-leased status of 98% on opening day with the balance 2% leased within the subsequent six months. Currently it is 100% leased and operates on an array of sustainable benchmarks.

The average indoor air temperature is set at 24°C +/- 1°C with a relative humidity of 50% to 65% at air speeds lower than 0.2m/s. This is applicable in all air-conditioned areas and regulated based on CO₂ level below 900ppm for better air quality within the Mall.

Although green specifications added to the upfront cost, they led to operational savings in the long run

WASTE MANAGEMENT

Setia City Mall adopted an integrated waste management initiative to divert as much waste from sanitary landfills as possible. This involves the continuous engagement with tenants and visitors to the mall to reduce reuse and recycle the waste generated daily. On each level and strategic point of the mall, there are dual stream waste bins fitted for customers' convenience to segregate waste.

A full time waste management consultant is also engaged to provide consultation to tenants interested to contribute towards sustainable initiatives such as waste segregation and recycling.



Currently, Setia City Mall has a 12% to 15% recycling rate but the goal is to eventually reach the 30% to 50% target, which is on par with malls in developed countries.

GREEN LEASE

Setia City Mall's Green Lease is in place for adoption by tenants to encourage and educate them on the importance of installing energy efficient lighting and equipment as the maximum power density is limited to 35W/m² for the Retail and F&B (Dining) Areas; and 85W/m² for the Food & Beverage (Kitchen) Area.

The mall management faced resistance from tenants initially as this measure was a first for any shopping mall in Malaysia and was seen as bold and untested.

However, with continuous assistance, guidance and impartation of knowledge to retailers on the tenets of the Green Lease, tenants eventually turned around as they understood that although these green specifications added to the upfront cost, they led to operational savings in the long run.

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SETIA CITY MALL | FEATURE

The Heart of a Green Community

Besides all the efforts in minimising its ecological footprint, community engagement bears equal importance at Setia City Mall.

Right from the start, engagement with the relevant authorities, local community leaders and residents in the surrounding vicinity were cemented to gauge their interest and understanding of the mall's identity as a sustainable retail development.

Collaboration with industry peers also took place to establish a GBI benchmark to develop a rating tool for shopping malls in Malaysia.

Besides all the efforts in minimising its ecological footprint, community engagement bears equal importance at Setia City Mall

Apart from that, Setia City Mall also actively supports local universities in their academic research to provide internship placement in the retail industry. During the development stage and currently, study tours are often conducted for university students to help them understand the importance of safety and sustainability in the work place and how academic theories can be applied in the commercial world. The "Love Green. Begin" campaign carried out by the mall management promotes "Sustainability Tours" to the public to create awareness among the community and industry peers to inculcate awareness on how each of us plays an integral part to make the Earth a greener place.

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ARTICLE | COMBINE LIGHTING QUALITY AND ENERGY EFFICIENCY FOR COMMERCIAL SUCCESS

Combine Lighting Quality and Energy Efficiency for Commercial Success

Lighting design is an indispensable element in every interior environment. In the old days, it was thought that lighting was only for illumination, to brighten up a space, to awaken customers, to highlight merchandise and for security purpose. As a result, most of the lighting designs employed energy-consuming lamp sources such as halogen and incandescent lamps, which deliver powerful light but contradict today's energy-saving and environmental concerns as well as cost effectiveness concerns for businesses.

Electricity generation accounts for more than 60% of the total greenhouse gases emission. A lot of pollutants and greenhouse gases are produced in burning coal, worsening global warming and environmental pollution. Lighting is one of the sources of energy consumption in buildings. While energy saving lamps consume less power and emit much less heat than incandescent and halogen lamps, further lowering the energy consumption from air-conditioner, employing energy efficient products with eco-designs can help to conserve the environment. Some countries have begun to prohibit the use of halogens and incandescent lights and encourage consumers to lead an eco-living lifestyle.

Facing immense competition, hospitality shops and commercial stores have common objectives of enticing customers to visit, extending their lingering time, drawing their attention to products and encouraging purchasing. While lighting quality and energy efficiency create competitive advantage by attracting more customers and reducing operating cost, which directly enhance the performance of most commercial environments, the selection of the right lighting can be an essential business tactic which contributes to commercial success.



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COMBINE LIGHTING QUALITY AND ENERGY EFFICIENCY FOR COMMERCIAL SUCCESS | ARTICLE



Today's lighting solutions provide us the flexibility to design a vast variety of lighting layouts that are aesthetically pleasing, energy-conscious and address specific needs in various commercial environments

The 40-year old Kampachi brand, Malaysia's most acclaimed Japanese restaurant, wanted to implement green strategies in its restaurants without compromising their customers' dining experiences. As we know, lighting helps to deliver a classy and elegant atmosphere but it accounts for one of the important shares in energy consumption. In light of this, Kampachi has partnered with an LED manufacturer to address these environmental and lighting quality concerns, using LED reflectors instead of conventional incandescent and halogen lights.

Possessing a consistent color temperature, LEDs can perform perfect spotlighting and floodlighting to elevate the ambience. Furthermore, LED lamps release much lower heat than halogens and incandescents that one would feel comfortable even if standing

right below the lights. This further minimises the energy consumption on air-conditioning. Kampachi used LEDs lasting up to 13 times longer without UV light radiation, negligible IR radiation or residual glare making them true perfect halogen replacements. Consuming such a low volume of power compared to conventional lighting, it helps to save operation costs for Kampachi and carbon emission for the environment.

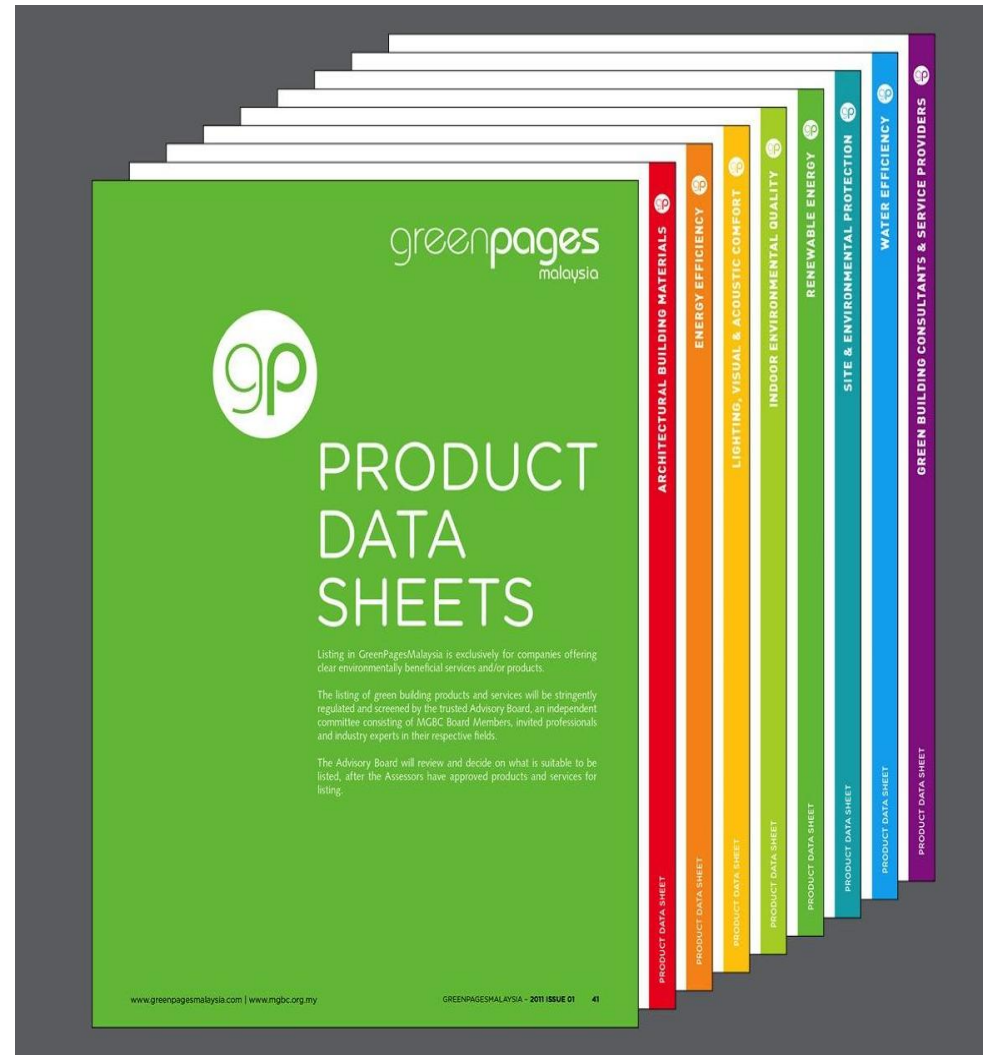
With the advancement of energy-saving lighting technologies, today's lighting solutions provide us the flexibility to design a vast variety of lighting layouts that are aesthetically pleasing, energy-conscious and address specific needs in various commercial environments. Nowadays, various techniques can be observed in many lighting designs. For example, accent lighting for highlighting



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ARCHITECTURAL
BUILDING
MATERIALS

ENERGY
EFFICIENCY

LIGHTING, VISUAL,
AND ACOUSTIC
COMFORT

INDOOR
ENVIRONMENTAL
QUALITY

RENEWABLE
ENERGY

RECYCLED
CONTENT
MATERIALS

SITE AND
ENVIRONMENTAL
PROTECTION

WATER
EFFICIENCY

WASTE
MANAGEMENT

GREEN BUILDING
CONSULTANTS
AND SERVICE
PROVIDERS



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PRODUCT CATEGORIES

ARCHITECTURAL BUILDING MATERIALS

Architectural building materials are materials that we use in the construction of our homes, offices, places of worship, hospitals, schools, etc.

While man in his 2 million years of existence has used products ranging from mud to concrete to build his home, in the context of the GreenPagesMalaysia, we intend to list only those building materials that positively influence the living experience through enhanced performance and reduced environmental impact.

Materials such as glass, timber, steel, concrete, bricks, aluminium, roofing, flooring, wall covering, paint, insulation, drapery, windows, doors, ceiling boards, sun shades and blinds are part of a non-exhaustive list of products that will be considered in establishing the improved performance of a sustainable modern-era living, working and healing space.

ENERGY EFFICIENCY

Buildings typically account for approximately 40% of energy use in cities. The balance of the energy is taken up for industrial and transportation use, both of which are anthropogenic in nature. Cooling, heating, ventilation, lighting, computing, cleaning, cooking, vertical transportation and office equipment contribute to the energy load of buildings.

Therefore, energy efficiency of active systems, fixtures, equipment and appliances are pursued in the attempt to reduce energy loads and bring about a green transformation to the building sector.

Under the Energy Efficiency category, GreenPagesMalaysia aspires to list building related products and services that contribute to the reduction of energy consumption in the built environment through largely active means, improved performance of equipments, systems and services as well as through better controls. Production in energy consumption will help reduce the carbon footprint of buildings.

LIGHTING, VISUAL & ACOUSTIC COMFORT

More than just good luminance, better proper lighting and visual comfort are being increasingly focused as when it comes to providing a positive experience to building occupants. High performance indoor lights, high frequency/low loss electronic ballasts, incorporation of daylight strategies, flexible user controls, LED facade lights and street lamps are some of the new and systems that we intend to list in the GreenPages Malaysia directory.

One could count reduced energy bills, improved working environments, lower green house gas emissions, and increased productivity as some of the benefits of establishing enhanced lighting and visual comfort for occupants.

Under the Energy Efficiency category, GreenPagesMalaysia aspires to list building related products and services that contribute to the reduction of energy consumption in the built environment through largely active means, improved performance of equipments, systems and services as well as through better controls. Production in energy consumption will help reduce the carbon footprint of buildings.

INDOOR ENVIRONMENTAL QUALITY

Indoor Environmental Quality generally refers to the quality of air, acoustics, lighting and visual perception and thermal environmental parameters within the built space and it directly affects occupant health, comfort and productivity, and in some cases even building usability. Typically indoor air can contain up to 5 times more in some cases 100 times more pollutants than outdoor air. Indoor Environmental Quality can be adversely affected by the presence of excessive quantities of gases such as Carbon Monoxide and Carbon Dioxide, volatile organic compounds, formaldehyde, airborne particulates, moulds and bacteria.

As tenants and building occupants are becoming more discerning to the indoor air quality that they should enjoy indoors, it is crucial that the design of appropriate ventilation systems, thermal environmental parameters as well as the specification of high performance materials and equipment is considered at the earliest opportunity in the building's life cycle and design.

Under this category, building products and control strategies that improve the indoor environmental quality of the building through good indoor air quality, improved ventilation and good thermal comfort will be listed. Use of products and materials with low Volatile Organic Compounds and high recycled content is encouraged as well.

RENEWABLE ENERGY

In lieu of on-grid power produced through the combustion of fossil fuels, Renewable Energy perhaps represents the most exciting and promising potential for the mitigation of the harmful effects of building construction and operation.

Replenished naturally, renewable energy typically comes from natural resources such as the sun, wind, geothermal heat, tides and rivers.

Recognising the huge potential that Renewable Energy represents in the mission to green the living space, we consider integrated, on-site or off-site renewable energy production systems for listing in our green building products and services directory.

Even equipment that specifically support renewable energy systems and devices are considered for listing.

RECYCLED CONTENT MATERIALS

ISO 14021 defines recycled content as 'the proportion, by mass, of recycled material in a product or packaging. Only pre-consumer and post-consumer materials shall be considered as recycled content, consistent with the following usage of the terms:

Pre-consumer material: Material diverted from the waste stream during a manufacturing process. Excluded is reutilisation of materials such as rework, regrid or scrap generated in a process, and capable of being re-claimed within the same process that generated it.

Post-consumer material: Material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.

Only non-architectural products or products whose main overriding feature is its recycled content will be listed under this Recycled Content Materials category in the GreenPagesMalaysia directory. Bricks, roof tiles, concrete products, wall/door paneling, etc. that have recycled content in them but at the same time perform better in terms of thermal and acoustic insulation, energy used in production, ease of installation, etc. than comparable conventional products available in the market will be listed under the Architectural Building Materials category.

SITE AND ENVIRONMENTAL PROTECTION

One of the biggest problems facing the planet currently is the deterioration of the natural environment due to pollution and unmitigated development.

With the health of the planet hanging in the balance, we must take heed to minimise, if not eliminate, the continuous assault on the ecosystem due to soil contamination, air and water pollution, as well as unsustainable extraction of resources.

The intent here is to select and list products and services that have a minimal/negligible/zero impact or ecological damage to existing natural features, water bodies, flora and fauna.

WATER EFFICIENCY

Buildings use 12% of the world's water, and this amount comes from the less than 1% of all the freshwater that is readily accessible for human use. As a water crisis looms despite living in the wet tropics, measures to reduce water wastage and increase water efficiency is required to safe guard the future of generations to come. Water treatment is also becoming increasingly expensive with the rise of energy costs.

As with the GRI, GreenPagesMalaysia aspires to bring down the usage of potable water through the use of water efficient technologies and equipment. Rainwater harvesting, water efficient fixtures and equipment, waste/used/condensate water recycling are some of the potential strategies and practices that can be considered and will be listed in the directory.

WASTE MANAGEMENT

Waste Management typically deals with the collection, transport, treatment and disposal of waste materials produced by human activity.

According to the Alam Flora website, it is estimated that close to 30,000 tonnes of waste is generated on a daily basis in Malaysia and the national average for recycling of waste in Malaysia is a dismal 5%, as opposed to targets of 50% pursued by certain countries in the region.

Sending waste to landfills is hardly the solution for a sustainable future if the waste can be segregated at source and sent for recycling instead.

GreenPagesMalaysia's mission is to list systems and equipment that can be employed to emphasize on the 3Rs of waste management, and to divert as much as 75% or more waste from landfills in order to reduce their effect on public health and the environment, not to mention the extraction of valuable materials for reuse from the waste diverted. The process employed for the extraction of reusable materials should also have a negligible impact on the environment.

GREEN BUILDING CONSULTANTS AND SERVICE PROVIDERS

Green Building Consultants and Service Providers represent a new wave of professionals dedicated to realising the green building agenda that is set to transform the way we design, construct, operate and maintain our buildings.

Trained under the Green Building Index (GBI) rating scheme, these individuals and companies strive to educate as well as facilitate the realisation of sustainability aspirations of project teams and/or building owners.

These professionals are expected to offer, among others, services such as building energy intensity computations, daylight modelling, rainwater harvesting estimation for storage and use, building physics analysis to prospective clients.

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Every product
submitted is
thoroughly assessed
before being
approved for listing



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WHAT IS
ON THE **PRODUCT**
DATA SHEET?



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UNDERSTANDING THE PRODUCT DATA SHEET

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ARCHITECTURAL BUILDING MATERIALS



GREEN PRODUCT





WHY IS IT GREEN?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis vel quam nec neque pharetra tristique tempor eget felis. Nunc pharetra, orci eget vulputate ultrices, enim ipsum gravida nunc, nec pellentesque libero dolor sit amet justo. Duis semper venenatis rhoncus. Phasellus porttitor aliquet vehicula. In nec condimentum sem.

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PRODUCT FEATURES

- Maecenas imperdiet libero ut arcu posuere facilisis condimentum ac justo.
- Curabitur vitae dolor non risus tristique euismod.
- Maecenas in magna id neque malesuada tempus eget vitae ligula.
- Pellentesque vestibulum tellus quis dui suscipit sodales.
- Aenean pharetra feugiat tortor, id suscipit augue tristique ultricies.
- Donec non tortor nec turpis accumsan sodales.

*For more detailed information, please contact Green Company Sdn Bhd.

APPLICABLE GBI CREDITS

NRNC	EE1, EE5, EQ8, EQ9
NRNC (DC)	EE1, EE5, EQ8, EQ9
NREB	EE1, EE5, EQ8, EQ9
NREB (DC)	EE1, EE5, EQ8, EQ9
INC	EE1, EE5, EQ9, EQ10
IEB	EE1, EE5, EQ9, EQ10
RNC	EE1, EE2, EQ4

GREEN LABELS




PRODUCT RATINGS



COMPANY DETAILS

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Selangor, Malaysia

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INDOOR ENVIRONMENTAL QUALITY

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DULUX INTERIOR SERIES

WHY IS IT GREEN?
Dulux is the first in Malaysia to introduce a complete range of low odour, low VOC (Volatile Organic Compounds) interior paints with Singapore GreenLabel and Green Eco-Label certifications. Using water as a solvent instead of petroleum-based solvents, these paints emit significantly lower levels of VOCs and odour.
Dulux Low VOC interior paints help reduce health risks and lower greenhouse gas emissions.

PRODUCT DATA SHEET

APPLICABLE ON CEMENT, BRICK, CONCRETE, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

AKZO NO (MALAYSIA)

INDOOR ENVIRONMENTAL QUALITY

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DULUX WEATHERSHIELD

WHY IS IT GREEN?
Dulux Weathershield is a water-based exterior paint that helps reduce heat and reduce surface temperature up to 5°C, which plays a role in helping you save energy and gives you a more comfortable feeling indoors. In addition, it's ultra low in VOC and it's a breakthrough in exterior paint with 10-year protection.

PRODUCT DATA SHEET

APPLICABLE ON CONCRETE, BRICK, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

AKZO NO (MALAYSIA)

INDOOR ENVIRONMENTAL QUALITY

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JOTASHIELD FLEX

WHY IS IT GREEN?
Jotun Jotashield Flex is a water-based exterior paint that helps reduce heat and reduce surface temperature up to 5°C, which plays a role in helping you save energy and gives you a more comfortable feeling indoors. In addition, it's ultra low in VOC and it's a breakthrough in exterior paint with 10-year protection.

PRODUCT DATA SHEET

APPLICABLE ON CONCRETE, BRICK, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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INDOOR ENVIRONMENTAL QUALITY

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JOTASHIELD WITH ANTIFADE COLOUR

WHY IS IT GREEN?
Jotun Jotashield with Antifade Colour is a water-based exterior paint that helps reduce heat and reduce surface temperature up to 5°C, which plays a role in helping you save energy and gives you a more comfortable feeling indoors. In addition, it's ultra low in VOC and it's a breakthrough in exterior paint with 10-year protection.

PRODUCT DATA SHEET

APPLICABLE ON CONCRETE, BRICK, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

AKZO NO (MALAYSIA)

INDOOR ENVIRONMENTAL QUALITY

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MAJESTIC TRUE BEAUTY SHEEN / MATT

WHY IS IT GREEN?
Majestic True Beauty has low odour during and after application which reduces the interval of product touch-up and reduces impact on indoor air quality. It also inhibits growth of common household bacteria and fungi to ensure a safe, healthy and clean living environment. Majestic True Beauty is free from harmful chemicals such as APFO, formaldehyde and heavy metals, making it an environmentally friendly paint for home and family.

PRODUCT DATA SHEET

APPLICABLE ON CEMENT, BRICK, CONCRETE, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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INDOOR ENVIRONMENTAL QUALITY

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SEQAGLOSS

WHY IS IT GREEN?
SEQUOIA SEQAGLOSS is a premium quality water-based gloss finish specially formulated with low VOC, low HAP (Hexamethyl-2-Pyridinediyl) super-glossy and odourless. It is an environment friendly compared to solvent-based gloss finish. When it is applied on VOC, it can reduce the amount of VOCs in the air and help minimize the impact to our environment and human health problems. Low HAP can reduce the chemical that may be teratogenic which can cause birth defect. That's why it is safe for pregnant mother and baby. It is multi-surface coating for various substrates such as concrete, metal, wood, plastic, glass, quarry floor, polycarbonate and marble. It is safe to apply for interior and exterior surfaces for a quality and healthy life and at the same time being a luxury glossy into your clean home.
Tested under TÜV Singapore which complied to Singapore Green Labeling Scheme (SGLS), Category 032.

PRODUCT DATA SHEET

APPLICABLE ON CEMENT, BRICK, CONCRETE, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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NIPPON WEATHERBOND SOLAREF

WHY IS IT GREEN?
Nippon Weatherbond Solareflect with Sunblock Technology that helps to reflect heat and reduce surface temperature up to 5°C, which plays a role in helping you save energy and gives you a more comfortable feeling indoors. In addition, it's ultra low in VOC and it's a breakthrough in exterior paint with 10-year protection.

PRODUCT DATA SHEET

APPLICABLE ON CONCRETE, BRICK, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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NIPPON AQUA EPOXY

WHY IS IT GREEN?
Nippon Aqua Epoxy is a Green Label certified 2-pack system water-based epoxy with non-added lead and mercury.
Low Odour & VOC

PRODUCT DATA SHEET

APPLICABLE ON CONCRETE, BRICK, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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NIPPON HYDRO WOOD

WHY IS IT GREEN?
Nippon Hydro Wood is a water-based, formaldehyde-free, pure acrylic, specially formulated for decorating interior wood surfaces to provide colour to wood surfaces while highlighting the natural grain.
Durable protects floor and timber surfaces from scratch and daily wear and tear.
Reusable within the same day, so no lag work and inconvenience between coats.
Fast to dry and easy to apply.

PRODUCT DATA SHEET

APPLICABLE ON CONCRETE, BRICK, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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SEQUOIA EG HEALTH SERIES (SEQASHIELD, SEQAPEARL, SEQALITE)

WHY IS IT GREEN?
Sequoia EG Health Series is an environment friendly premium paint with AKZO Free, Ultra Low VOC, Formaldehyde Free and Heavy Metals Free. Additionally, it has been tested in Singapore Laboratory by a certified Consulting Technical Service Agency and complied with Singapore Green Labeling Scheme (SGLS), Category 032. It also has certified by the SIRM ECO Label as complying with SIRM CRITERIA 515/509.

PRODUCT DATA SHEET

APPLICABLE ON CEMENT, BRICK, CONCRETE, Gypsum, Plaster, Wood, Metal, etc.

COMPLYING WITH GREEN LABEL

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What is MyHIJAU Programme?

MyHIJAU Programme is one government initiative to support development of Green Technology that was approved by the National Green Technology and Climate Change Council (MTHPI) in 23 October 2012. This program was developed to encourage local manufacturers, producers and suppliers to produce green products and services which more competitive in local and global market.

The MyHIJAU Program is implemented by the Ministry of Energy, Green Technology and Water (KeTTHA) and the Malaysia Green Tech Corporation (MGTC).



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Objectives of MyHIJAU Program are:-

- To coordinate and consolidate government initiatives in green products and services development in Malaysia
- To develop guidelines and procedures to the industries for producing green products and services
- To build capacity, skill and expert for competitive green production to the industries
- To increase awareness and knowledge to the public sector, private sector and society in conserving environmental through Sustainable Consumption and Production (SCP)



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MyHIJAU Program uses the concept of sustainable development which it covers two focus areas:-

- a) Sustainable Production will focus on production of green products and services including preventing pollution and clean production; and
- b) Sustainable Consumption will focus on consumption of green products and services including promotion and encouragement activities to buy and use green products and services.

There are four (4) sub-programs in MyHIJAU Program:

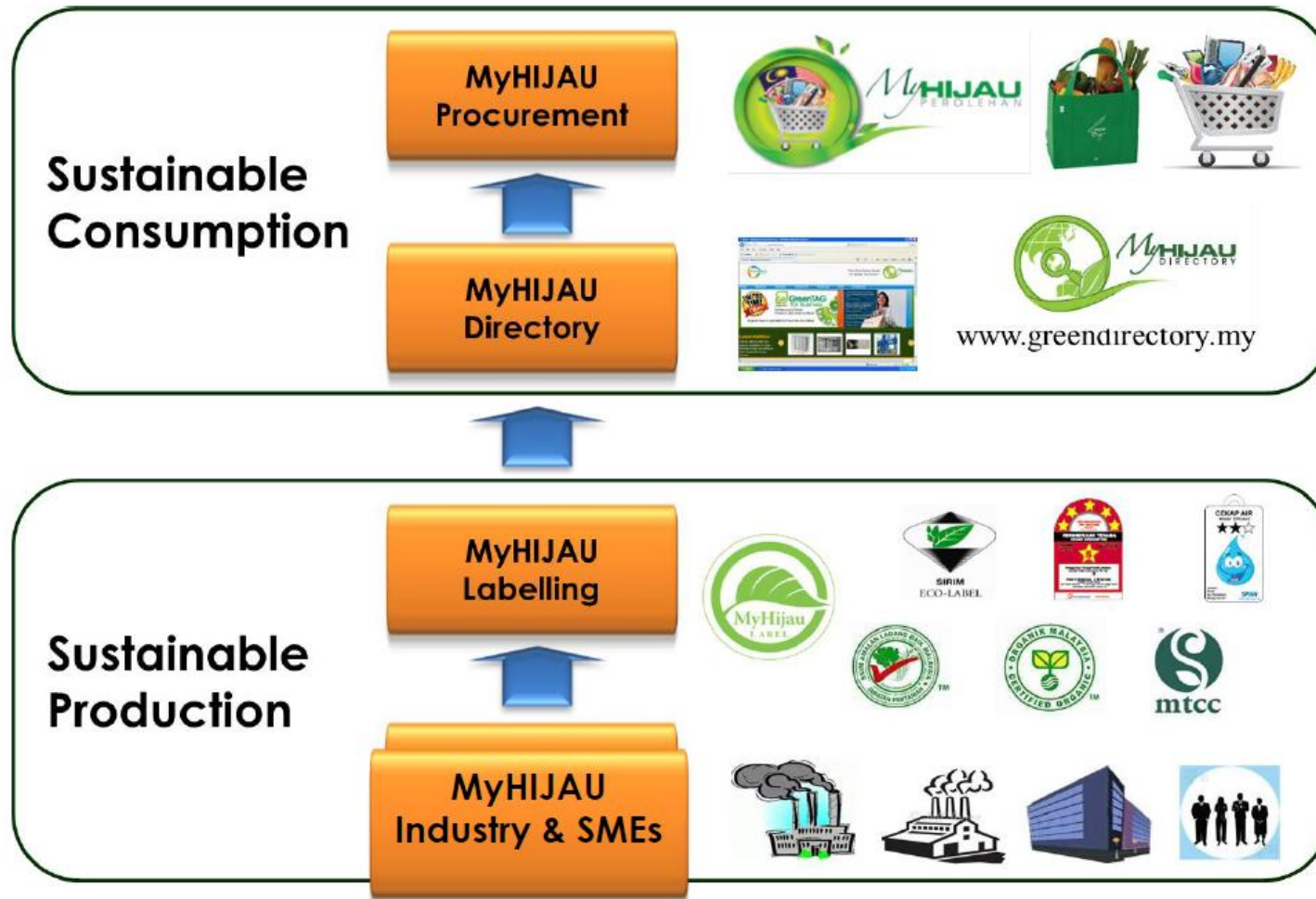
- 1. MyHIJAU Labeling
- 2. MyHIJAU Directory
- 3. MyHIJAU Procurement
- 4. MyHIJAU Industry & SMEs



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This picture shows the relationship of four (4) sub-programs in MyHIJAU Program



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FIVE KEY FOCUS AREAS



Green Energy



Green Transport



Green Building



Solid Waste
Technology &
Management



Clean Water
Technology &
Management



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MARK



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MyHIJAU is Malaysia's **official green labelling scheme** endorsed by the government of Malaysia, bringing together **certified green products and services** that meet local and international environmental standards under one single mark.



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MARK



DIRECTORY

Promote and showcase your commitment to the environment. **Build trust** among your customers by carrying the MyHIJAU Mark.

Increase the visibility of your green products and services. **Reach new markets** by listing your offerings on Malaysia's national green directory.



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UNITING GREEN CERTIFICATIONS UNDER A SINGLE MARK
A SYMBOL OF GREEN CHANGE



The MyHijau Mark

Denoting compliance to global environmental standards, the MyHijau Mark is a consolidation of regional and international green certifications.



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CONNECTING STAKEHOLDERS, SUPPORTING INDUSTRIES



**Manufacturers and
providers of green
products and services**



**Businesses
looking for
green solutions**



**Government
green procurers**



**General public
who want more
information**



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THE MYHIJAU ECOSYSTEM



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LIST OF SUBMISSIONS REQUIREMENT FOR MGBC MEMBERSHIP APPLICATION

Please enclose the required documents and payment accordingly and tick the applicable boxes for easy checking

1. PROFESSIONAL MEMBERSHIP

- Completed application form
- Photocopies of academic and professional certificates
- Application for full year,

Remittance of entrance fee of RM400 together with subscription of RM200 for the full year application.

2. CORPORATE MEMBERSHIP

- Completed application form
- Photocopies of academic and professional certificates
- Application for full year,

Remittance of entrance fee of RM400 together with subscription of RM200 for the full year application.

3. ACADEMIC MEMBERSHIP

- Completed application form
- Photocopies of academic and professional certificates
- Application for full year,

Remittance of entrance fee of RM200 together with subscription of RM100 for the full year application.

4. ASSOCIATE MEMBERSHIP

- Completed application form
- Photocopies of academic and professional certificates
- Application for full year

Remittance of entrance fee of RM500 together with subscription of RM500 for the full year application.



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5. STUDENT MEMBERSHIP

- Completed application form
- Photocopies of academic certificate
- Application for full year

Remittance of entrance fee of RM40 together with subscription of RM20 for the full year of application.

6. INDUSTRY PARTNER MEMBERSHIP

- Completed application form and company profile
- ROC, Form 24 and Form 49
- Application for full year.

Remittance of entrance fee of RM4, 000 together with subscription of RM2, 000 for the full year application.

7. INSTITUTIONAL PARTNER MEMBERSHIP

- Completed application form and institutional profile
- ROS
- Application for full year.

Remittance of entrance fee of RM500 together with subscription of RM200 for the full year application.

Kindly please email to info@mgbc.org.my / membership@mgbc.org.my for application.



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**Thank you for your time;
Q&A please.....**



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