vebro

vebrodeck at Alice Smith International School

PROJECT SHOWCASE

local supply
& **global expertise**
is the top choice for
international school

As part of the summer renovation programme at Alice Smith International School's Primary Campus in Kuala Lumpur, Malaysia, a new multi-storey car park was constructed to enhance the accessibility and functionality of the school's infrastructure.

Alice Smith School is a prominent British-curriculum international school located in Kuala Lumpur, Malaysia. It operates on two separate campuses, the Primary located in Bukit Petaling, serving early years students aged 3 – 11.

The school, founded in 1946, prides itself on its diversity and dedication to working together to push the boundaries of education, encouraging students to explore different paths with courage and curiosity, in an environment that empowers them to make an impact as their best self.

The newly built parking facility connects directly to the existing school building and provides essential parking spaces for staff, parents, and bus drop-off areas.

With its facilities often lauded for their impressive quality and modernity, the new multi-storey car park would need to follow suit.

Vebro Polymers has supplied its high-performance polyurethane car park deck coating system, **vebro**deck PU ID for Level 1, the area of the structure designated for public use.

—

type of project
New Build Multi-Storey Car Park

location
Primary Campus, Bukit Petaling, Kuala Lumpur

application area
Level 1 – Public Parking Deck

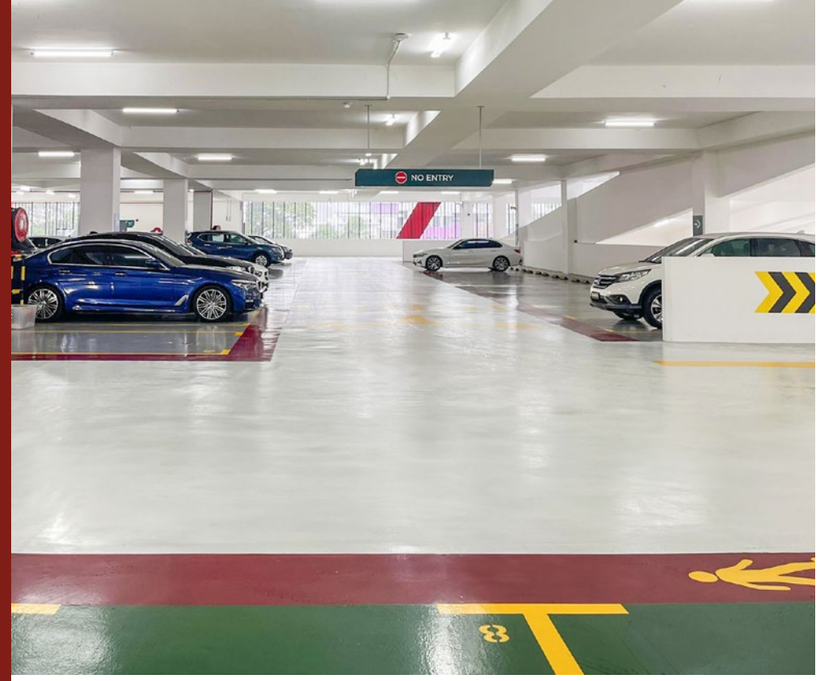
total surface area coated
3,000 m^2

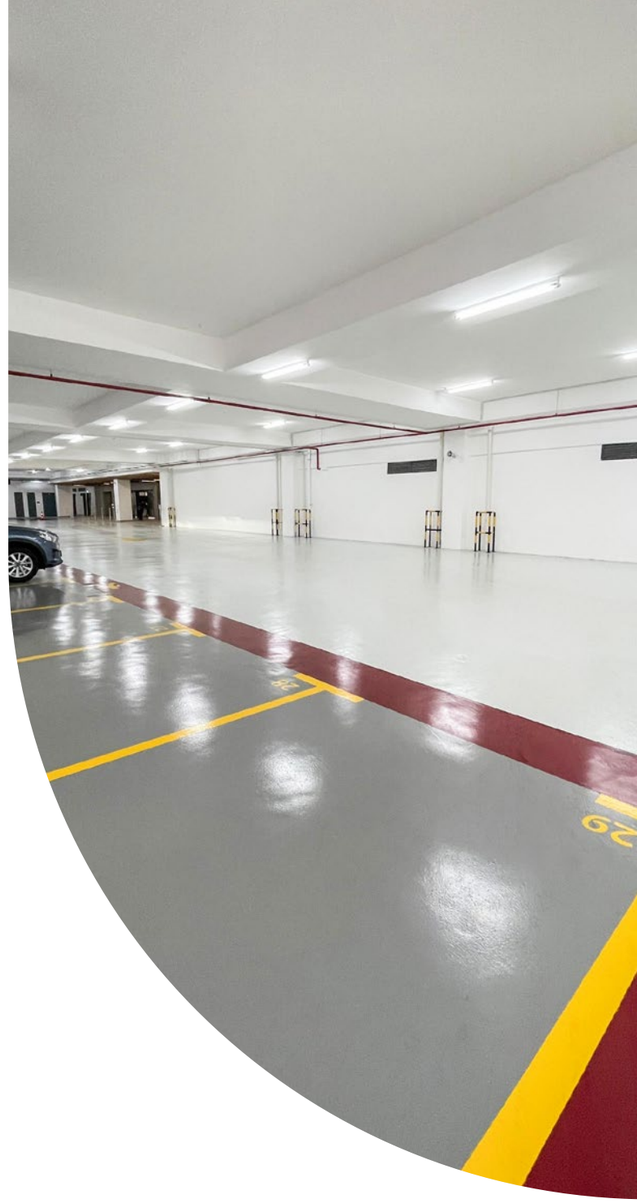
system used
vebrodeck PU ID (1.5 mm)
with 30–60 mesh silica sand

substrate & preparation
New concrete, shot blasting

installation & team
3–4 weeks, 2 teams (10 installers)

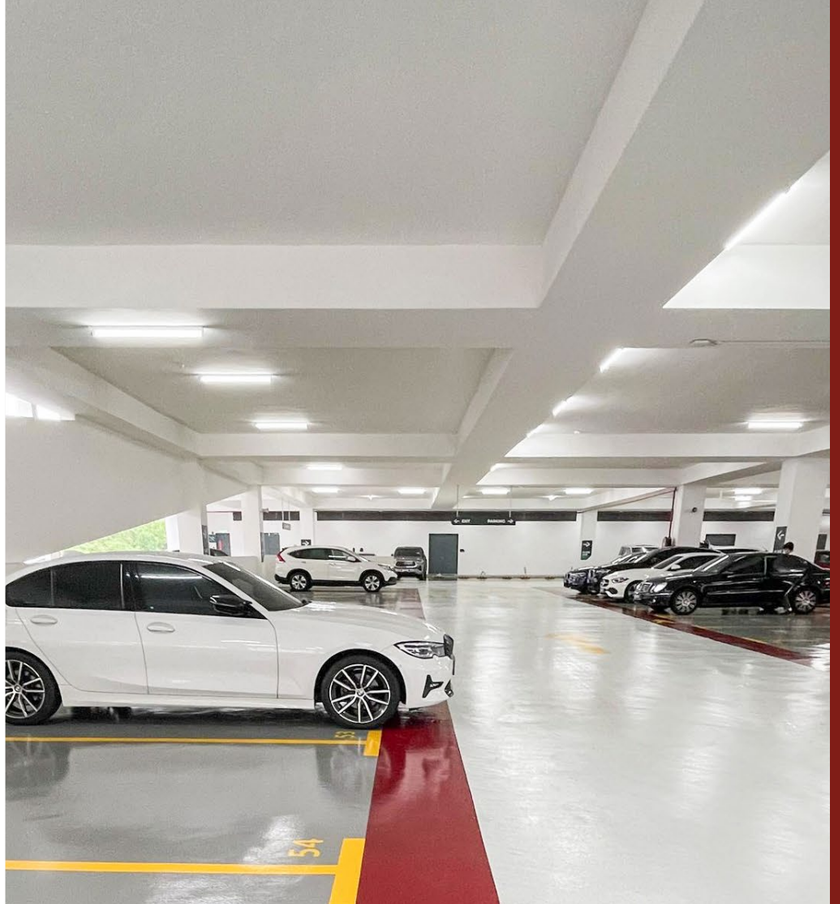
environmental consideration
Low VOC Compliance





“

By leveraging technical expertise, product performance, and commitment to compliance, Vebro Polymers not only met project objectives but also opened the door for future collaboration on additional phases.



“

This project stands as a testament to Vebro Polymers’ ability to deliver high-quality car park coating systems within tight timelines and sustainability frameworks, aligning with both the functional demands and environmental goals of Alice Smith International School.

spotlight on the floor

vebrodeck PU ID was chosen for the public parking deck on Level 1 of the newly constructed car park at Alice Smith. As part of the phased project, **vebro**deck PU Linemarker was added to the ground level, with its bus drop-off and pick up area, and Level 2, an area designated for staff parking, with the full application of **vebro**deck PU ID to follow in the second stage.

For Level 1, a total of 3,000 m^2 of surface area was coated using Vebro Polymers’ high-performance **vebro**deck PU ID system.

This system is a high-performance, polyurethane-based car park deck coating engineered for indoor environments. It is ideally suited to car parks in commercial, residential, educational, and public infrastructure settings, offering a combination of long-lasting durability, safety, and visual clarity.

Designed to deliver long-lasting protection and excellent abrasion resistance, this system is ideally suited to car park environments subjected to regular vehicle traffic and exposure to contaminants like oil, water, and fuel.

One of the system’s core advantages is its exceptional durability and impact resistance. Designed to handle the rigours of daily vehicle and pedestrian traffic, **vebro**deck PU ID protects concrete substrates from abrasion, wear, and mechanical damage. This makes it particularly effective in high-traffic areas such as drive lanes, turning points, and entry / exit ramps where stop-start vehicle motion is common.

Another key benefit is the system’s ability to form a seamless, impermeable, and waterproof membrane.

This quality prevents water, oil, fuel, and other automotive fluids from penetrating the concrete substrate, thereby reducing the risk of long-term deterioration such as cracking or corrosion of reinforcement bars. Its resistance to chemicals, including petrol, diesel, brake fluids, and de-icing salts, further enhances its suitability for demanding car park environments.

The 1.5 mm thick system incorporated 30–60 mesh silica sand, providing enhanced slip resistance while maintaining a smooth, clean finish. Because the Level 1 car park is fully enclosed, no specific weather precautions were necessary throughout the installation process.

Prior to application, shot blasting was performed on the new concrete substrate to remove surface laitance and to ensure optimum adhesion of the coating system.

Backed by Vebro Asia’s technical expertise and global support network, the system is delivered with detailed product documentation, installation guidelines, and the option of performance warranties. Whether used in new builds or renovation projects, **vebro**deck PU ID represents a reliable and cost-effective solution for modern car park flooring requirements.

The completed Level 1 installation was well-received by both the consultants and the school management. The durability, slip resistance, and professional finish of the **vebro**deck system have met expectations, enhancing the user experience for parents and visitors alike.

colour scheme & aesthetics

vebrodeck PU ID is available in a wide range of RAL matched colours to provide complete design flexibility for end-user clients.

A carefully selected RAL colour palette was employed to ensure visual clarity and compliance with international parking standards.

This colour-coding facilitates intuitive navigation and safety for users while contributing to the overall modern aesthetic of the parking facility.

Driveways
Light Grey
RAL 7035

Parking Bays
Dusty Grey
RAL 7037

EV Charging Bays
Grass Green
RAL 6010

Accessible Bays (OKU)
Traffic Blue
RAL 5017

Walkways
Oxide Red
RAL 3009

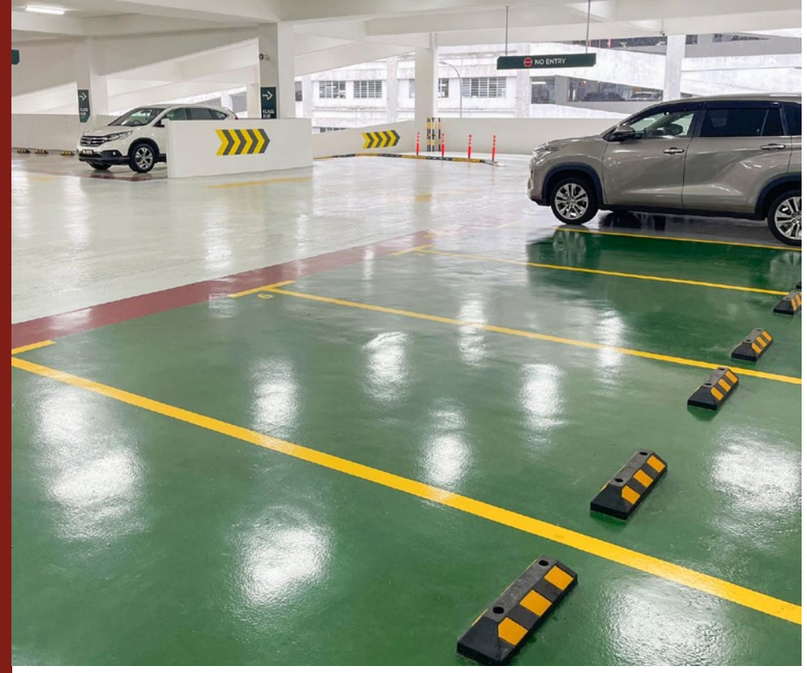
Linemarking
Traffic Yellow
RAL 1023

project execution & timeline

The installation of Vebro Polymers' **vebro**deck PU ID on Level 1 of the car park at Alice Smith International School took place over a period of approximately three to four weeks, with two dedicated application teams comprising a total of ten skilled workers.

The installation team worked closely with the main contractor and facility managers to coordinate access and scheduling, ensuring minimal disruption to other renovation works occurring simultaneously on the campus.

Strict quality control protocols were followed at each stage — from surface preparation and primer application through to body coat, broadcast, and topcoat layers – to ensure durability, visual uniformity, and long-term performance of the coating system.



sustainability: a flooring choice fit for **future generations**

Alice Smith School is actively working on sustainability initiatives, including promoting waste reduction, particularly through upcycling of plastics, and fostering a sense of global citizenship among students.

As the establishment emphasises a whole-school approach, integrating sustainability into teaching, community engagement and campus operations is critical.

The car park renovation forms part of a broader green infrastructure initiative by the campus, and project consultants initially raised concerns about indoor environmental air quality.

To address this, Vebro Polymers was able to provide comprehensive documentation demonstrating the Low VOC (Volatile Organic Compounds) profile of the **vebro**deck PU ID system, and its compliance with Singapore's Green Building certification requirements.

The relevant test data and environmental reports were submitted, ultimately gaining consultant approval. This successful negotiation not only enabled the project to proceed but also reinforced Vebro's reputation for transparency, adaptability, and environmental responsibility.

working **together**…

vebro

vebro polymers.com

Please note: the information in this guide is subject to change and the most recent technical data should be sought for accurate, up-to-date product or system information. Errors & omissions excepted. The applied colours may differ from the examples shown within this guide. Actual samples should always be viewed before making a final decision, especially if colour accuracy or matching is key to your decision.