



**Case Study Malaysia
Artificial Grass & Metal Roofing**

Key Facts

Project: 1700 sqms rooftop

Category: Commercial

Complexity: Very high

Products used: Silk 25 Green/Black,
Atlantis drain cell base

Client: Beneton Properties

Architect: Arc Partnership



Installing artificial grass on a pyramid-shaped metal rooftop

Irama Wangsa, Wangsa Maju is a freehold condominium in Kuala Lumpur, developed by Beneton Properties Group of Companies, a leading developer in Kuala Lumpur. With less than two months of the property going to the market, the developer wanted to create something unique.

The challenge was to transform an unsightly and industry-like looking rooftop of the multi-purpose hall into something aesthetically appealing. The idea was born to create a view that the apartment owners would love and talk about. The architects of Arc Partnership came up with a design for an artificial grass rooftop with a green/black pattern to be installed on the rooftops in the centre of the area.

When looking for a company to help realize this idea, Eco Outdoor was called in. "Not only did Eco Outdoor install a playground for us in another property 5 years ago", Mr Lee, Director at Beneton Properties explains, "We also knew that they recently installed and engineered an artificial turfing solution for a metal roofing structure in Cambodia. I simply know that when complex things need to be done, I can count on Chris Kooijman and his team."

Complex solution

Installing an intricate artificial grass pattern on a pyramid shaped metal rooftop is a challenging task. You have to mount the grass onto the roof and make sure it does not fly off. On a metal roof all elements work independently. Grass responds differently to heat than the base layer. This makes it a challenge to create a stable system. Moreover, it has to withstand storms and heavy rains, so drainage is crucial. With only two months to go before the property would go on sale and handed over to the owners, there was a strict deadline.



Masterpiece

"Eco Outdoor did a fantastic overall job, from engaging the stakeholders, like engineers and architect, to coming up with the final solution and taking care of the execution", Mr Lee says. "They were also commercially supportive, ensuring that all materials that were needed were available on time so that all possible delays were avoided. Their patience and perseverance to ensure the success of the final installation was fantastic. And it was great to see how they worked very closely with our designer to create this masterpiece. A high degree of professionalism."

What do apartment owners say? "They love it. We have received many compliments. It definitely adds a lot of value to the property."

"For us, it was also exciting to engage in a project where we could use previous experiences, while the overall solution method we applied was different from other projects", Chris Kooijman, director of Eco Outdoor explains. "We are at our best when we encounter new challenging situations that require a different solution than we have used before, and in which we can work closely with the key partners that are involved."

The piano key rooftop of Irama Wangsa in Kuala Lumpur is the first of its kind in Malaysia. Possibly in the world.

Products used in this project



Silk 25



Atlantis Drain Cells

Contact Eco Outdoor

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