

CASE STUDY

Project Name

Raffles City Swissotel Helipad Waterproofing, Singapore

Installer/Applicator

LH Waterproofing Specialists Pte Ltd, Singapore

General Contractor

Shineway Engineering Pte Ltd, Singapore

Consultant

Arup Singapore Pte Ltd, Singapore

Featured Products

ARDEX R 2 SE
ARDEX WPM 426
ARDEX WPM 429

Challenge

- Reinforced Concrete Rooftop Helipad Waterproofing (570m²)
- Short completion day (5 days including surface preparation)
- Exposed to weather environment
- Existing commercial environment with restaurant right below, so required to minimize inconvenience caused for customers and tenants while conducting works
- Heavy duty wear and abrasion resistance for helicopter landing

Situation

Raffles City is going through re-roofing works for its entire Reinforced Concrete planters and flat roofs using ARDEX WPM 116 and WPM 160, two layers torched applied waterproofing membrane. The RC rooftop helipad is a critical area as any hacking on the RC slab to lay new waterproofing membranes might cause leakage to the restaurant below. The landing zone lightning built into the RC slab make the detailing works for installing new membranes difficult and tedious.

Solution

After having reviewed the problem and client's concerns, ARDEX Singapore recommended ARDEX WPM 426 and WPM 429 (UV stable Polyurethane Traffic Deck Waterproofing Coating). The system perfectly suits to resolve the challenges faced. ARDEX WPM 426 is a heavy duty and abrasion resistance waterproofing coating with ARDEX WPM 429 UV stable aliphatic topcoat to coat over the RC helipad to give a new decorative look including waterproofing properties.

Unique Elements

ARDEX Singapore provides the complete system solution through specifications to Arup consultants for this project. The installation was done by an approved and trained ARDEX applicator. However, there were frequent site visits by the Sales personal in charge to provide excellent service. Together with the outstanding performance of the products, with no defect or limitation, the clients are very satisfied with ARDEX. Consequently, consultants and contractor continued to specify the ARDEX system for upcoming projects' e.g.: Global Logistic Trade Center façade refurbishment project, condominium refurbishment project and many more.



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Singapore



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