



Waterproof Decking System Protects New Bangkok Airport

Heavy monsoon rains and swampy ground conditions were just two of the challenges encountered by the Flowcrete team that was involved in the installation of nearly 100,000 square metres of performance flooring systems in four different areas at the prestigious Suvarnabhumi International Airport in Bangkok, Thailand.

For the short-term roof top car park area, the flat roof of the Plant Room and at the fire-engine parking area, an area totaling almost 50,000 square metres, a seamless, waterproof, trafficable car-park decking system was selected. According to Flowcrete Asia's Director of Sales, Desmond Sin, the Deckshield, a heavy duty, UV stable, polyurethane system helps protect the fabric of the building by keeping water out.

“One of the most challenging issues facing owners and building managers in the upkeep of facilities and concrete deck structures is how to prevent damage from water ingress. Deckshield's crack-bridging, waterproof properties help eliminate this risk. The hard-wearing surface also minimises wear and tear from vehicular traffic, keeping car-parks operational for much longer than conventional surfaces such as asphalt.”

The overall project programme required that installation of the Deckshield be carried out during the height of the monsoon season. "Careful monitoring of the daily weather forecasts was therefore an essential part of the schedule," he added.

According to Sin, one of the key factors that helped the firm secure the landmark contract was the ability to manufacture and supply the Deckshield system from its Malaysia facility. "This reduced lead times which helped meet the schedule requirements. Another important factor was the proven track record of Deckshield which has been installed at some of the world's top airports including Hong Kong's Chep Lap Kok, Kuala Lumpur International Airport in Malaysia at Heathrow London."

In the baggage handling areas, over 50,000 square metres of Flowcoat SF41 with were installed over a secondary moisture barrier of Hydraseal DPM. "The seamless, hard-wearing system is a popular choice for large, heavy duty, high traffic areas. It is quick to install and offers high levels of chemical resistance," added Sin.

ENDS

Hi-Resolution Versions of the Images above are available from amanda@flowcrete.com

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Notes to Editors:

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Flowcrete Group plc is a world leader in the supply of specialist flooring for commercial and industrial buildings. With 26 offices worldwide and 12 manufacturing plants globally, Flowcrete's aim is to transform environments with its innovative specialist flooring products. These include decorative seamless resins, waterproof car park decking, resin terrazzo, antimicrobial flooring, corrosion protection, self levelling cements, underfloor heating and acoustic systems. Flowcrete is using its global expertise to introduce environmentally-friendly, hygienic and aesthetically attractive floors to create a better and more sustainable world at our feet.

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