

BRIDGES, MANUFACTURING PLANTS, PUBLIC AND COMMERCIAL FACILITIES; ICONIC LANDMARKS AND BUILDINGS USED ON A DAILY BASIS WERE COMPLETED WITH MAPEI SOLUTIONS IN MALAYSIA



DARUL HANA BRIDGE KUCHING, SARAWAK

Construction of the bridge was commissioned in 2013 to mark the golden anniversary of Sarawak's union with Malaya and Sabah to form the country of Malaysia. It is 330 m long and winds and twists its way over the Sarawak River, supported by two steel piles pointing outwards and upwards, with their ends in the form of a stylised head of a hornbill, the symbol of the state of Sarawak. The bridge, has a 3 m wide pavement for pedestrians and two viewing platforms, which needed a durable coating with a

non-slip finish and good resistance to chemical and atmospheric agents. The solution proposed by Mapei involved the application of PRIMER SN, two-component fillerized epoxy primer, which was mixed with QUARTZ 0.5 and applied in a scratch coat, and then broadcast with sand to create the necessary mechanical grip for the following operations. This was followed by the application of MAPECOAT CF AP*, a coloured polyurethane coating, and MAPEFLOOR FINISH 57* polyurethane coating.

TECHNICAL DATA

Period of construction: 2016 - 2017

Period of the Mapei intervention: August - November 2017

Client: Sarawak Economic Development Corporation

Main designers: Ng Chun Chien; Kamal Fozdar

Civil and structural

engineers: KTA

(Sarawak) Sdn Bhd

Main contractor: PPES

Works (Sarawak) Sdn Bhd-Naim Land Sdn Bhd

Coatings contractor:

IPUE Resources Sdn Bhd

Mapei coordinator:

Cayden Tan, Mapei Malaysia

MAPEI PRODUCTS

Primer SN, Quartz 0.5,

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