

SIKA AT WORK MUMBAI TRANS HARBOUR LINK ROAD BRIDGE, INDIA

WATERPROOFING: Sikalastic[®] Bridge 5000



BUILDING TRUST

BRIDGE DECK WATERPROOFING FOR ROAD BRIDGE

PROJECT DESCRIPTION

Shri Atal Bihari Vajpayee Trans Harbour Link is a 21.8 km (13.5 mi) 6-lane access-controlled expressway grade road bridge, which connects Mumbai with Navi Mumbai-Raigad, its satellite city. It is so far the longest sea bridge in India. Sika supplied the bridge deck waterproofing coating to this bridge.

Location: Mumbai . India Construction year: April 2018 – December 2023 21.8 km (13.5 mi) long, 27 meters wide Size:

PROJECT REQUIREMENTS

- MTHL being the largest sea bridge in India with a design life of 100 years, customer wanted the waterproofing system to comply with CD 358 requirements
- On time supplies
- Faster Executions
- ETA certification for the system
- Indian Road congress approval for the system.

SIKA SOLUTIONS

Sikalastic® Bridge 5000 was specified for this project as the bridge deck waterproofing solution. It is a polyurethane-based waterproofing multilayered systems composed of:

- Primer: Sikafloor® P 2525 and broadcast sand
- Fast cure waterproofing membrane: Sikalastic[®] M 800
- Adhesion promoter: Sikalastic[®] P 628 and broadcast sand
- Tack coat: Sikalastic® P 629

This high-quality system is the first approved system for bridge deck waterproofing in Germany. It has 35 years of proven "Application & Testing" record and 25 years of life expectancy as per EOTA certification. It is tested and qualified by CRRI Lab for application to bridge deck waterproofing purpose.

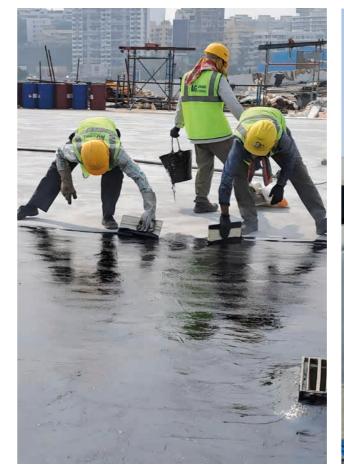
KEY CHARACTERISTICS / ADVANTAGES

- Pavement is repairable without removing the waterproofing layer
- Suitable for both horizontal and vertical applications
- Improved shear resistance with deck slabs





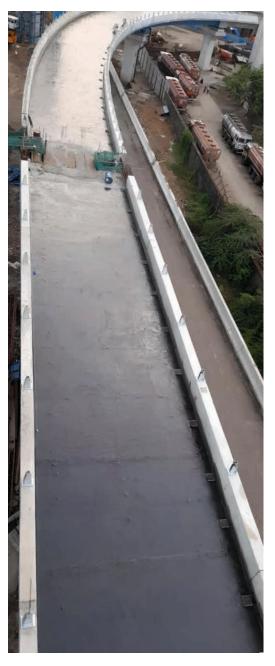








PROVEN WATERPROOFING PERFORMANCE FOR BRIDGE DECK







PROJECT PARTICIPANTS

Project Owner: General Consultants: General contractor: Sika organization: Mumbai Metropolitan Region Development Authority (MMRDA) AECOM, PADECO, Dar Al-Handasah, TYLin Larsen and Toubro- IHI Corporation Consortium, Daewoo E&C-Tata Projects Limited JV Sika India

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