



# 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  
Size: 21.8 km (13.5 mi) long, 27 meters wide

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

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