

# PmB - Bridge Deck Waterproofing System

**PITCHMASTIC** PmB



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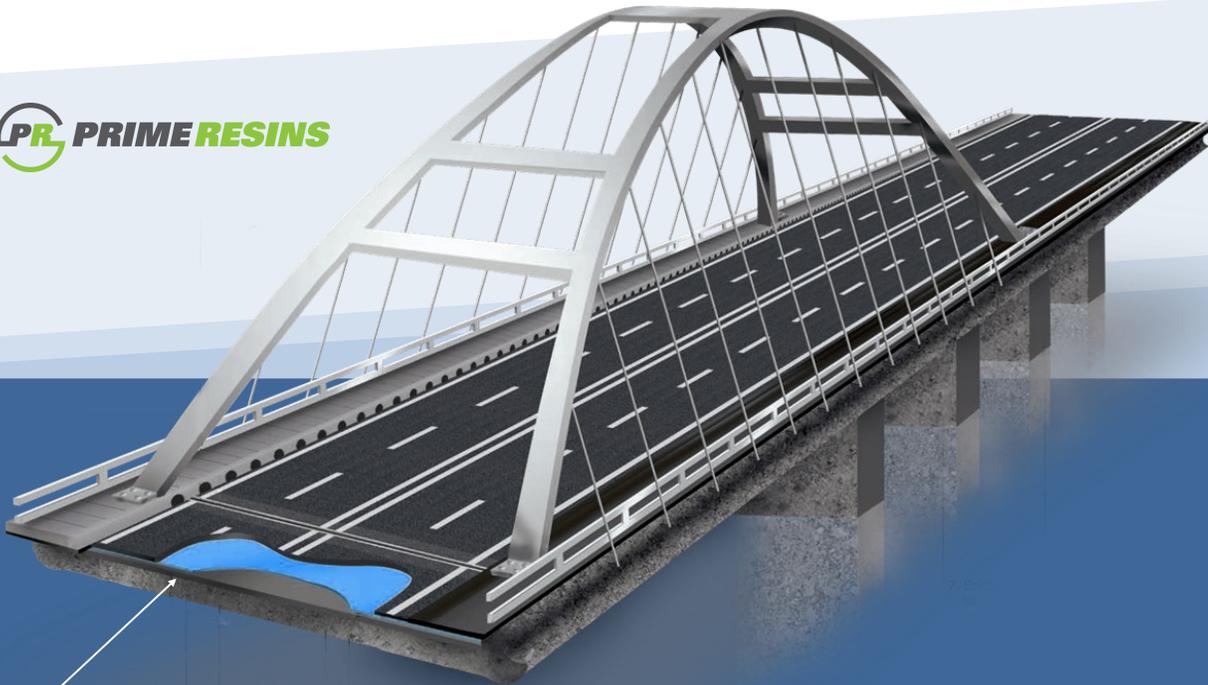
## The Need For Effective Bridge Deck Waterproofing Solutions

Bridges are under constant attack from environmental issues such as water, chlorides, acid rain, temperature fluctuations, de-icing processes, and freeze-thaw cycles. Extreme weather and the impact of traffic and vibration place bridges under further stresses not inflicted on other structures.

Due to the extent of such attacks, if not adequately protected, the steel reinforcing bars or stressing tendons are liable to corrode and expand. This leads to cracking and spalling of the concrete and an accelerated rate of deterioration to the structure. The costly disruption of the inevitable repair work on North America's rail and highway network impacts both the economy and public safety.

### The Solution:

Protect the bridge with a high-quality elastomeric bridge deck protection system from Pitchmastic PmB, either at the construction phase to achieve dramatically enhanced life-cycle efficiencies, or as a rehabilitation measure to prevent future water penetration and concrete deterioration.



**PmB - Waterproofing System**

## PmB - Bridge Deck Waterproofing System

The PmB bridge deck waterproofing system contains the technically advanced PmB membrane, a two-part, spray-applied, durable protection and waterproofing coating that offers ultimate crack bridging protection to the deck. The high performance membrane is 100% polyurethane, containing no fillers or additives, and is VOC-free. Once applied, PmB has exceptional bond strength, and has unrivalled elastomeric capability. With and a life expectancy in excess of 30 years, you can be sure your bridge decks will receive the ultimate in cost-effective protection.

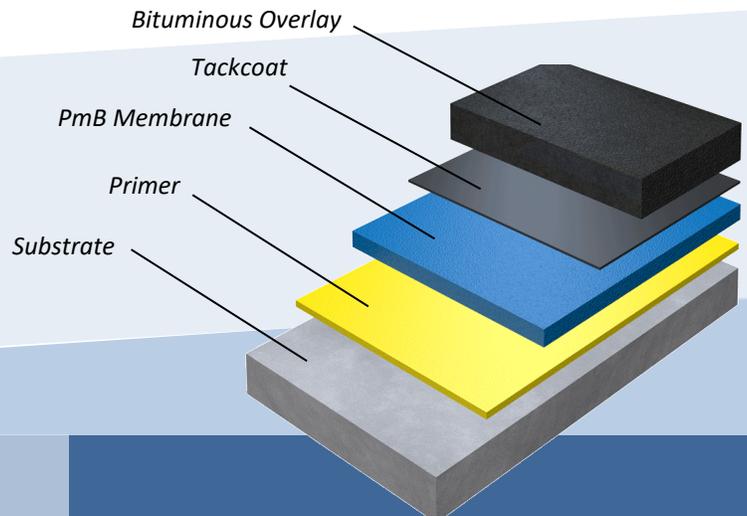
The system is approved for use throughout the world and has been subject to extensive testing, including stringent tests to American, British and European standards.

- Rapid setting: 5-8 seconds gel time
- Tack-free after approximately 1 minute
- Walkable after approximately 10 minutes
- Elastomeric after approximately 45 minutes

### Fast & Easy Installation

PmB is fast and easy to install and is applied as a single coat or in multiple layers. The two-component materials of the membrane system are mixed at the spray gun and spray-applied to the substrate.

The spray equipment allows complete mobility, spraying vertical and overhead surfaces, behind pipe bays, or over corners and edges quickly and effectively. The membrane gels in seconds, preventing curtaining and providing instant protection.



### FAST FACT

**Over 120 million sq. ft. of the Pitchmastic PmB waterproofing system are in use worldwide.**

### Pitchmastic PmB Key Benefits

- Successful track record of more than 30 years
- Worldwide installation by trained, approved applicators
- Spray-applied to ensure accurate site ratio management
- Seamless installation, homogenous watertight seal
- Abrasion and chemical resistance
- Water vapor and gas permeable
- Resistant to root and microbial attack
- Provides sound insulation
- Highly elastomeric for unrivalled crack bridging capability
- Rapid cure for rapid return to service

## Worldwide Project Snapshots

**Project: Linden Boulevard, The Bronx, New York**

Client: New York City DOT

Project in brief: New York City DOT commissioned a project to rehabilitate several existing structures in Brooklyn and the Bronx as part of its maintenance program. This particular project involved the rehabilitation of a key Throughway bridge. Crews waterproofed the 10,000ft<sup>2</sup> bridge with Pitchmastic PmB.

**Project: Nouvelle Autoroute 30, Quebec**

Client: Quebec Ministry of Transport

Project in brief: Supply 1.6 million ft<sup>2</sup> of PmB spray-applied waterproofing to the Beuharnois Bridge, the St Lawrence River Bridge and the Soulanges tunnel.

**Project: Oman - Battinah Expressway**

Client: The Sultanate of Oman

Project in brief: The Pitchmastic PmB system was applied in Oman to complete 320,000ft<sup>2</sup> of waterproofing to multiple new bridges in only 4 weeks. The scope included the supply and installation of the Pitchmastic PmB system which has met all the requirements of the local specifications and has been successfully used in Oman for 8 years and wider Gulf region for 23 years.

**Project: UK – Sunderland Northern Spire**

Client: is Farrans Construction

Project in brief: The new Northern Spire Bridge in Sunderland (UK) was fully protected by the Pitchmastic PmB system. Over 80,000ft<sup>2</sup> of waterproofing was provided to the deck of the award winning structure.



**PITCHMASTIC** PmB

World Leaders in Structural Waterproofing and Protection



Working in partnership with

**PITCHMASTIC** PmB

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