

Method Statement for Bridge Waterproofing System

1. Purpose

This method statement outlines the procedure and controls for the application of the bridge waterproofing system to ensure a high-quality, durable, and effective waterproofing solution.

2. Scope

The work involves the surface preparation and application of waterproofing material on the deck of the bridge as per project specifications.

3. References

- Project Technical Specifications
- Approved Material Data Sheets
- Relevant Codes and Standards

4. Materials and Equipment

Materials	Equipment
Primer	Pressure washer
Waterproofing membrane/liquid	Mechanical grinder
Protection board	Brushes, rollers, trowels
Adhesive (if required)	Air blower

5. Responsibilities

- **Project Manager:** Overall execution and compliance.
- **Site Engineer:** Supervise and monitor application process.
- **QC Inspector:** Inspection and testing.
- **Applicators:** Application of waterproofing as per instruction.

6. Procedure

1. Surface Preparation

- Remove all debris, dust, laitance, and loose particles from the bridge deck.
- Repair surface cracks and imperfections.
- Ensure the surface is dry, clean, and free of contaminants.

2. Primer Application

- Apply primer uniformly as per manufacturer's instruction.
- Allow primer to cure before proceeding.

3. Waterproofing Membrane Application

- Apply waterproofing membrane or liquid in accordance with the specified thickness.
- Ensure full adherence and no air pockets.
- Allow curing as per product requirements.

4. Protection and Finishing

- Place protection board or screed as specified to shield waterproof layer.

5. Inspection & Testing

- Perform visual inspection and water tightness test as required.

7. Safety

- Ensure all workers use appropriate PPE.
- Follow MSDS for all materials used.
- Maintain good ventilation during application of chemicals.

8. Quality Control

- Inspection of surface preparation and waterproofing application at each stage.
- Maintain records of materials and work completed.

9. Attachments

- Material data sheets
- Inspection and testing forms
- Manufacturer's installation guideline