

Inspection and Testing Procedures for Concrete Works

Method Statement (Sample)

1. Scope

This method statement covers the inspection and testing procedures for all concrete works carried out onsite, including preparation, placement, curing, and testing to ensure compliance with project specifications.

2. References

- Project Specifications
- Relevant Standards (e.g., ASTM, BS, ACI, EN)
- Approved Construction Drawings

3. Inspection Procedures

1. Formwork Inspection:

- Check alignment, dimensions, and cleanliness.
- Verify formwork is adequately supported and braced.

2. Reinforcement Inspection:

- Confirm correct bar diameter, spacing, and placement.
- Check for proper cover and tying of bars.

3. Concrete Mix Verification:

- Ensure approved mix design is used.
- Check delivery tickets and batch details.

4. Testing Procedures

Test	Frequency	Acceptance Criteria	Remarks
Slump Test	Every truck or batch	As per specification	ASTM C143 / ACI
Temperature Check	Every truck or batch	< Specified limit	Before placement
Compressive Strength Test	1 set/50 m³ (minimum)	Meets design strength	Cylinder/Cube samples
Air Content	As required	Within limits	For air-entrained concrete

5. Curing and Protection

- Begin curing immediately after final finishing.
- Maintain curing for the required period as per specification.
- Protect against extreme weather and damage.

6. Records and Documentation

- Maintain all test results and inspection reports.
- Submit documentation to relevant authorities for approval.

7. Attachments

- Sample Inspection Checklist
- Concrete Test Report Form
- Curing Record Sheet