

# Concrete Curing Process Method Statement

## 1. Purpose

To outline the method for curing concrete works to ensure that the structure achieves the required strength and durability as per specifications.

## 2. Scope

This method statement covers all curing activities for concrete structures on the project site, including slabs, beams, columns, and walls.

## 3. References

- Project Specifications
- Relevant Drawings
- ACI 308 - Guide to Curing Concrete
- BS EN 13670

## 4. Materials and Equipment

- Water curing hose/spray
- Wet burlap or hessian
- Polythene sheets
- Curing compound (approved type)
- Application rollers/sprayer

## 5. Procedure

1. Upon completion of concrete placement and finishing, curing must begin as soon as the surface will not be damaged by the process.
2. Select curing method as per design or engineer instruction:
  - a. **Water Curing:** Use water spray or wet coverings (hessian/burlap) to maintain surface moisture.
  - b. **Polythene Sheets:** Cover concrete with sheets ensuring full contact with the surface and overlap at joints.
  - c. **Curing Compound:** Apply uniform coat with sprayer/roller as per manufacturer recommendations.
3. Maintain curing for at least 7 days or as per specification.
4. Visually inspect daily and ensure continuous curing.
5. Remove all curing materials only after confirmation from Engineer or after curing period completion.

## 6. Health & Safety

- Use appropriate PPE (gloves, boots, safety goggles).
- Handle curing compounds in well-ventilated areas.
- Prevent water spillage to minimize slip hazards.

## 7. Roles and Responsibilities

| Role           | Responsibility                                   |
|----------------|--|
| Site Engineer  | Supervise curing process and monitor quality     |
| Foreman        | Arrange resources and ensure works as per method |
| Safety Officer | Monitor compliance with safety requirements      |

## 8. Records

- Curing process checklist/logsheets
- Daily inspection records
- Non-conformance reports (if any)

## 9. Approval

Prepared by: \_\_\_\_\_ Date: \_\_\_\_\_  
Checked by: \_\_\_\_\_ Date: \_\_\_\_\_  
Approved by: \_\_\_\_\_ Date: \_\_\_\_\_