

Method Statement for Concrete Joint Construction

1. Purpose

This method statement provides the procedure and guidelines for the construction of concrete joints to ensure structural integrity and quality in accordance with project specifications.

2. Scope

Applicable for all construction joints, expansion joints, and contraction joints in cast-in-place concrete works at the project site.

3. References

- Project specifications and drawings
- ACI 224R-01: Control of Cracking in Concrete Structures
- Relevant quality and safety standards

4. Responsibilities

Role	Responsibility
Site Engineer	Supervision, ensuring compliance with specifications
Foreman	Execution of work as per approved methods
Quality Inspector	Inspection and verification of joints

5. Procedure

5.1 Preparation

- Verify layout and location of joints per approved drawings.
- Clean all joint faces; remove laitance and loose material.
- Install joint formers or waterstops as required.

5.2 Casting of Concrete

- Place concrete to specified dimensions up to joint location.
- Ensure proper compaction around joint areas.

5.3 Construction Joints

- At rest periods, provide construction joints at pre-determined locations.
- Roughen the surface and clean prior to placing subsequent pours.
- Apply bonding agent if specified.

5.4 Expansion/Contraction Joints

- Install approved joint filler and sealer as per details.
- Ensure continuity of waterstops where required.

6. Inspection & Testing

- Inspect all joints prior to subsequent pours.
- Check alignment, cleanliness, and installation of accessories.
- Perform tests as per QA/QC plan.

7. Safety

- Comply with site safety protocol at all times.
- Use appropriate PPE.
- Only trained personnel are allowed to perform tasks.

8. Records

- Maintain inspection reports and test records for all joints.
- Submit documentation as per project requirements.