



Fiber-Reinforced Concrete Placement Inspection Checklist

Interactive checklist for fiber-reinforced concrete placement inspection. Commentable and exportable as PDF/Excel.

Project:

Date:

Filled by:

Material Verification

1	Confirm the type and grade of fibers used are as per specifications.
2	Ensure fiber quantity matches the mix design requirements.
3	Inspect fiber uniformity and dispersion within the mix.

Mixing Process

4	Verify that mixing time and speed are optimized for fiber integration.
5	Confirm no clumping of fibers during the mixing process.
6	Check for consistent concrete consistency and workability.

Placement Techniques

7	Ensure proper equipment is used to place FRC without disturbing fiber distribution.
8	Avoid excessive vibration which can lead to fiber settlement.
9	Monitor placement speed to prevent segregation.

Compaction and Finishing

10	Check that compaction is thorough and fibers remain evenly distributed.
11	Ensure finishing techniques do not displace fibers from the surface.
12	Verify the surface is smooth and free of fiber protrusions.

Curing Process

13	Confirm that curing methods prevent rapid moisture loss.
14	Ensure curing duration meets the specified requirements.
15	Monitor environmental conditions to adjust curing practices accordingly.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
<p>Fiber-reinforced concrete (FRC) is a composite material made by integrating fibrous materials with traditional concrete to improve its structural integrity and resistance to cracking under stress. Inspecting the placement of FRC is crucial to ensure its performance and longevity. This checklist focuses on the key aspects of FRC placement, from material verification to curing processes, and is designed to help inspectors and construction professionals ensure that the FRC installation meets all standards and specifications. Users can interactively tick off items, add comments, and export the completed checklist as PDF or Excel, with a unique QR code for authenticity.</p>	<p>1. Prepare necessary tools: measuring devices, fiber samples, and safety equipment. Ensure the site is ready with proper access and lighting. 2. Click the 'Start Interactive Checklist' button to begin the inspection process. 3. Tick each item online as you complete the inspection tasks to ensure thorough coverage. 4. Add comments on individual checklist items or the overall inspection for future reference. 5. After completion, click 'Share' or 'Download' to save your checklist as a PDF or Excel file.</p>