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Comprehensive Shotcrete Application Inspection Checklist

Interactive checklist for inspecting shotcrete applications. Comment, export as PDF/Excel to ensure quality and compliance.

Project:

Date:

Filled by:

Pre-Application Checks

1	Verify that all surfaces to receive shotcrete are clean and free from loose materials.
2	Ensure reinforcement bars are properly positioned and secured.
3	Check that formworks are correctly installed and stable.

Material Inspection

4	Confirm that the shotcrete mix design meets project specifications.
5	Inspect the consistency of the mixture to ensure proper application.
6	Verify that all materials are within their expiration dates and stored properly.

Application Process

7	Monitor ambient temperature and humidity levels to ensure optimal curing conditions.
8	Ensure the nozzleman is certified and experienced.
9	Check that the shotcrete is applied evenly and to the correct thickness.

Curing and Finishing

10	Verify that curing compounds are applied immediately after finishing.
11	Inspect for surface defects such as cracks or voids before curing.
12	Ensure that the curing process is maintained for the required duration.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
<p>Shotcrete, a versatile construction material applied pneumatically, requires meticulous inspection to ensure structural integrity and longevity. This checklist covers essential aspects of shotcrete application, including surface preparation, mixture consistency, and curing processes. Proper inspection prevents structural failures, enhances safety, and ensures compliance with industry standards. Users can interactively engage with this checklist by ticking items, adding comments, and exporting the completed report in PDF or Excel formats, providing a comprehensive inspection solution.</p>	<p>1. Gather necessary tools such as measuring devices, thermometers, and safety gear. Ensure the site is prepared for inspection. 2. Click the "Use this checklist" button to start the interactive checklist mode. 3. Tick each item online as you complete it, adding comments where necessary. 4. Click "Share" or "Download" to export the completed checklist as PDF or Excel. 5. Review the checklist, sign off digitally, and distribute to stakeholders. Utilize the QR code for authentication.</p>