

Presentation Instructions

Who is this presentation for?

The trainer and learners.

What is in this Presentation?

- Course information that matches the Learner Guide content.
- Review questions and model answers.
- Slides contain summarised content, with full notes and information for the trainer, visible when the slide show is shown in "Presenter View" (see instructions on next slide).
- Use this presentation to support and reinforce the training information from the Learner Guide.

What do you need to do before you use it for the first time?

1. Rebrand the presentation.
2. Review the presentation as part of your validation process.

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Instructions for Viewing in Presenter View

NOTE: This view is only applicable when the computer is connected to a second screen or a data projector.

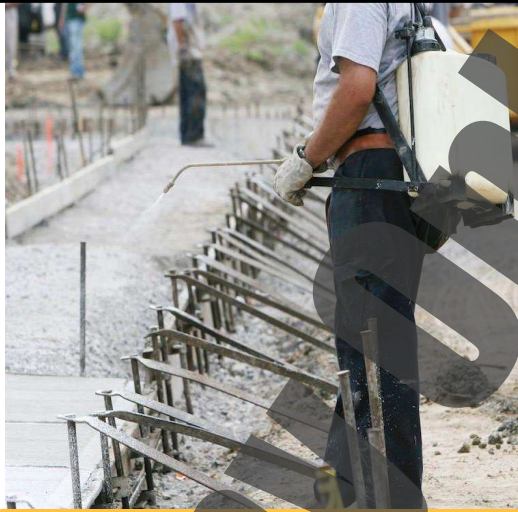
Once the second screen/projector is connected make sure that the "Use Presenter View" box is ticked.

This is found in the "SLIDE SHOW" tab as shown below.



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RICHROFF **CURE CONCRETE**



**TRAINING
PRESENTATION**

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Training Presentation Sections

Click on a box to go to that section.



Section 1: Plan and Prepare to Cure Concrete



Section 2: Cure Concrete



Section 3: Conclude Operations

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Section 1:
Plan and Prepare to Cure
Concrete



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1.1 Introduction

This training course is based on the national unit of competency **RIICRC318E – Cure Concrete**.

This course will cover the following key aspects of concrete curing operations:

- ◆ Review of work requirements and documentation.
- ◆ Management of work health, safety and environment.
- ◆ Plan and prepare to cure concrete.
- ◆ Cure concrete.
- ◆ Management of clean-up activities and tools.



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The following terminology will be used throughout this training material:

- ◆ **Concrete** – Concrete is a composite building material made from fine and coarse aggregates blended with a combination of cement, water and additives that hardens or cures over time.



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1.2 Planning and Preparing for Work

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1.2.1 Access and Interpret Documentation

Each concrete pour is accompanied by a set of records. Understanding what information is required and how to interpret the information is essential. Different companies use various templates and terminology, so clarifying what you need ahead of time and how to collate, store and manage the information on the day will ensure that your job occurs without delay.



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1.2.1 Access and Interpret Documentation

The types of documentation that may be required include:

- ◆ Health, safety and environment – Site induction handouts, safe work method statements, health, safety and environmental policies and procedures, hazard report forms, site inspection checklists, site health, safety and environmental plans, safety data sheets.
- ◆ Concrete specific – Specifications, designs, quality inspection and testing plans.
- ◆ Operational – Site maps, work instructions, project plans, construction plans.



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Design engineers and architects determine the concrete's specifications to meet the structural and design requirements of the task. Specifications such as road, bridge or kerb mixes may be based on standard industry specifications, set by government agencies, or be unique to the site or project.



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Concrete specifications may define:

- ◆ The type or size of aggregate to be used.
- ◆ The type and amount of water to be added.
- ◆ The type and frequency of testing to be conducted.
- ◆ The required concrete strength to be achieved.
- ◆ Approval for the nominated mix to be used.
- ◆ The maximum period of time from batching to placement and compaction.
- ◆ Concrete temperature requirements for curing.
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1.2.2 Health and Safety Rules

Every workplace has to follow laws and rules to keep everyone safe. There are 4 main types:

Law	Description
Acts	Laws to protect the health, safety and welfare of people at work.
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1.2.2 Health and Safety Rules

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1.2.3 Prepare for Work

Concrete curing operations are time-sensitive processes involving multiple stakeholders and work groups. Delays to the program can be costly. Before any work can begin, ensure that you have adequately prepared for the work activity so that it runs smoothly.



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1.2.3 Prepare for Work

Prepare for concrete curing operations by following these steps:

1. Review the work plan and confirm the curing method and materials to be used.
2. Obtain and inspect the plant, equipment and materials required to perform the task and place it at the work location.
3. Ensure safety checks and risk assessments have been completed.
4. Implement safety and environmental control measures such as water management devices.



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Continued...

1.2.3 Prepare for Work

5. Ensure that traffic management controls are in place.
6. Check and monitor the weather, hazards and other external factors that may impact your work.



...Continued

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6. Check and monitor the weather, hazards and other external factors that may impact your work.

Section 1 Review Questions

1. In what types of documentation might you find concrete specific information?



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In the specifications, designs, and quality inspection and testing plans.



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