

Bronze Card

LEVEL:	Beginner/Entry level
DURATION:	12 months max.
PRE-REQUISITES:	N/A
TERM:	No card expiry
COST:	AU\$495



Description

This course is for entry-level installers that want to gain a solid grasp on the important basics of resin flooring.

The learning material places a strong emphasis on teaching good habits and the “why”, not just the “how”, behind resin flooring.

This makes the Bronze Resin Card a great option for sales and marketing people wanting to understand the industry they work in.

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Format

From substrate assessment through to stunning metallic systems and beyond, the Bronze Card Course provides a complete introduction to resin flooring using the international framework established by RFI.

The online course features a wide selection of learning resources - including 6 hours of video in total - and advanced assessment capability that can be completed anywhere, any time, and at your own pace.

Benefits

By completing the this online course, you will gain a better understanding of:

- Typical properties, strengths and limitations of resin flooring technology.
- Key considerations for product selection.
- Different types of substrate issues and how they're commonly addressed.
- Surface preparation and profiling methods.
- Mortars and the role they play in substrate repair.
- Keys to doing rollcoat, broadcast, self-level, trowel-applied and high-build decorative finishes using solventless two-pack epoxies.
- Different types of joints and how they're approached.
- Common defects, their causes and how to fix them.
- Keys to an effective flooring maintenance program.

Who Should Enrol?

This course is ideal for entry-level installers in their first year of work, or more experienced installers without any formal training or education. Resin flooring businesses with staff looking to gain a better understanding of technology and practices can also benefit.



Task List & Learning Objectives

Task 1: Epoxy Flooring Introduction

This task is all about laying a platform and making sure everyone's on the same page when it comes to epoxy flooring application. Solventless two-pack epoxies are introduced properly and you're given the tools you'll need to make the right choices when it comes to product selection.

Learning Objectives

- Understand solventless two-pack epoxies – typical properties, strengths and limitations.
- Become familiar with the key documents and considerations in product selection.

Task 2: Substrate Assessment

Very few projects involve grinding alone when it comes to surface preparation and you'll often need to come up with a way to clean, repair, level, seal, and even protect the substrate before an epoxy is applied. This task takes a look at oil/grease contamination, porosity, moisture, flatness and other things that might come into play.

Learning Objectives

- Understand the different types of substrate issues and how they're commonly addressed.



Task 3: Substrate Preparation

This task looks at the mechanical profiling of concrete. You'll find comprehensive notes on surface preparation, a handy surface preparation summary from an equipment manufacturer, and a video demonstration showing a grinder in action on both bare and coated concrete.

Learning Objectives

- Understand the objectives of surface preparation.
- Become familiar with the various methods of mechanical profiling and their suitability for the different types of epoxy flooring systems.

Task 4: Substrate Repair

Surface preparation often involves the application of epoxies to repair and re-level the substrate before a floor is applied. This task looks at the main types of products that are used for these purposes and how they work.

Learning Objectives

- Become familiar with epoxy mortars and levellers, and the roles they play in substrate repair.



Task 5: Substrate Priming

This task covers the application of the important “pre-flooring” products: primers and sealers. These are generally applied at less than 200 microns total dry film thickness and can be occasionally used alone as light-duty floors.

Learning Objectives

- Become familiar with primers and sealers, and the roles they play in surface preparation.

Task 6: Thin-film Rollcoats

A solid-colour epoxy floor might sound dead easy, but there are plenty of traps you can fall into. In this task you'll learn more about these and the options at your disposal for both full-gloss and semi-gloss finishes.

Learning Objectives

- Understand the keys to doing gloss and semi-gloss finishes with solventless two-pack epoxies.



Task 7: Broadcast Systems

High-quality non-slip and flake floors are more than just throwing stuff into an epoxy. This task will help make sure your broadcast flooring systems look good, perform well and last as long as expected.

Learning Objectives

- Understand the keys to common broadcast flooring systems with solventless two-pack epoxies, including selection of suitable broadcast media.

Task 8: Self-level Systems

Self-level flooring is an extremely versatile flooring option that can be used to repair, re-level and form a beautifully smooth, high-gloss finish all in one step. This task explores a couple of ways this type of epoxy flooring can be applied using notched trowels and spiked rollers.

Learning Objectives

- Understand the keys to doing self-level flooring systems with solventless two-pack epoxies.

Task 9: Trowel-applied Systems

Trowel-applied flooring systems are typically trowelled into place at thicknesses greater than 5mm to provide various levels of wear, impact and thermal resistance, or to re-level/re-build a floor. As a brief introduction to these systems, this task takes a quick look at a specialist underlayment product and how it's used.

Learning Objectives

- Become familiar trowel-applied systems and a specific type of product application within this field of epoxy flooring.



Task 10: High-build Decorative Systems

Now we're into the fun stuff! Metallic pigments have changed the epoxy flooring industry with the truly remarkable finishes they create. Unfortunately it's not as easy as sloshing around a handful of pigment in any old epoxy resin. This task reveals the secrets to metallic finishes and gives you a few starting designs for inspiration.

Learning Objectives

- Understand how to apply a few different metallic flooring designs using solventless two-pack epoxies.

Task 11: Joints

This task introduces the different types of joints and how to approach them in flooring applications, including the materials commonly used.

Learning Objectives

- Become familiar with the different types of joints and how they are approached in epoxy flooring applications.

Task 12: Troubleshooting

No matter how skilled you are as an epoxy applicator, from time to time defects will occur. This task covers all the common epoxy flooring defects, including why they happen and how to fix them. There's also a video on modifying epoxy products that focuses on what is and isn't possible.

Learning Objectives

- Understand the common epoxy defects, their causes and the methods used to fix them.
- Understand what epoxy properties can and can't be easily modified.

Task 13: Sales and Maintenance

Having a great product and expert application isn't worth much if you don't know how to connect with your market. This task passes on the lessons learnt about winning more work and getting paid for the work you do, as well as how to look after the floors you create.

Learning Objectives

- Understand the keys to effectively selling epoxy flooring and getting paid for the work you do.
- Understand the keys to an effective flooring maintenance program.

