

## **Floor Covers Skill Enhancement Schedule**

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### **Resilient - Refresher**

Reviews the skills needed to complete the Install Resilient Certification. We will cover industry standards, basic pattern scribing, direct scribing, heat welding and layout of diagonal tile and installation.

The course consists of classroom instruction and hands-on practice.

Call Training Campus to be added to the waitlist.

### **Basic Pattern Scribing**

This course covers the basics for pattern scribing. Pattern scribing is a process of transferring the wall lines or other vertical surface lines on to pattern paper to make a template to put on a sheet of resilient flooring. Pattern scribing can be used for tile, sheet goods, wood, or counter tops. Pattern scribing is one of the easiest ways and most accurate ways to cut in resilient material.

Especially in difficult areas where you need to have a tight fit. This class will also help prepare you for the advanced pattern scribing class that covers flash cove pattern scribing and the Install Resilient certification. Content to be covered are laying out pattern paper and what tools you will

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### **Basic Heat Welding**

This course covers the basics of welding seams in resilient floors. Heat welding is a process of connecting and sealing sheets of flooring together to produce a watertight seal in the flooring. The course covers the different welding rods and the process of welding the seams. Also, it covers all the tools for welding such as welding guns, specialized welding tips, skiving knives. The course consists of classroom training, demonstrations, and hands-on training. This class covers flat lay only and will prepare the participants for the

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### **Advanced Heat Welding**

This course is an advance class that covers heat welding flash cove. This is a specialized job; it involves heat welding up vertical walls, outside and inside corners and the use of specialized welding tips. This course describes the steps and processes for this type of heat welding.

The course consists of demonstrations, classroom, and hands-on participation.

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### **INSTALL Resilient Certification**

8 hour course. This course is an assessment of the installer's skills. This certification is only for experienced installer that consists of three segments of hands-on projects. An installer must pass all the segments of the certification to get their INSTALL certification card. If a person fails any segment of the certification, we will work with the installer on a one to one basis to advanced his/her skills and if needed to set up skill enhancement classes that they need.

This course consists of a power point presentation that discusses industry standards and a review of the techniques to complete this certification. The hands-on

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### **Direct Scribing**

This course teaches the fitting technique of "direct scribing", also known as three wall scribing, jump scribing or slip scribing. Using classroom presentations, videos and hands on demonstration, the participants will learn to accurately scribe and cut various types of flooring.

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### **Pattern Scribing**

This course covers the resilient fitting method of pattern scribing. Classroom presentations, videos, and hands-on demonstrations will be used to teach this versatile fitting technique.

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### **Resilient Repairs**

This class covers many types of resilient flooring repairs, from patching damaged areas to fixing minor gouges, burns, scratches, tears, and bubbles. Using classroom presentation and hands-on demonstrations. This class will show you the tips and tricks you need to know to repair damaged resilient flooring.

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### **Blueprint Reading**

The construction print reading class offers an in-depth analysis of how to extract needed information from a set of "blueprints". Using the latest textbooks and power point presentations, provided by the Carpenters International Training Center, combined with some hands on "fact finding" assignments, this class will help you find the answer you need from the construction prints.

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### **Custom Radius Layout and Installation Techniques**

Architects are becoming more and more creative with their flooring designs. This mostly hands on course is designed to show several different job-like scenarios as they would appear on a print. Then using these scenarios. The class will do several different types of radial layouts using; patterns, strings, PVC piping, transparent grid paper, tape measures, yardsticks, and algebra, to recreate the architects desired look.

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### **Engineered Hardwood**

#### **Installation**

This course covers the three different methods of installing engineered hardwood flooring. First is the "floating" installation where the flooring is not attached to the subfloor. Instead, the boards are either glued together with tongue and groove or they are machined to lock together when tipped into one another. Second is a nail or staple down installation where the wood is mechanically fastened to the sub floor. Lastly, is a full spread adhesive installation where the flooring is glued to the subfloor using the recommended adhesive. This class will explore different layout procedures, marking and cutting techniques,

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### **Hardwood Board Replacements**

Working with the three different types of wood flooring; engineered, solid, and laminates, this course will show you the proper techniques to successfully remove a damaged board and replace it with a new one. This class is mostly hands on demonstrations along with some do it yourself practice.

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### **Flash Cove Template Method**

Flash covered resilient installation is one of the most challenging aspects of resilient flooring installation. Using one of the two patterning techniques, full pattern, and template method, will provide more consistent results in your flash cove work. This course will concentrate on the "template" method of patterning flash covered material. Using a combination of custom-made templates and pattern paper, a pattern of the area is made. Then the pattern is transferred to the material where it is cut out. This course will cover; making the templates, using the templates to make a pattern, and installing

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### **Robotic (Automatic) Heat Welding**

This course will concentrate on the set up and use of an automatic or robotic type heat welding machine. Heat welding long seams can be very physically demanding. The use of a robotic welder will increase productivity, improve the consistency of the welds and be less physically demanding than hand welding.

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### **Flash Cove Full Pattern Method**

This class focuses on a second method of creating a pattern for fitting a flash coved area. The "full pattern" method is where the pattern paper is actually curved up the wall, much like if the material were in place. Once the pattern paper is in place an outline of the cap metal and corners is drawn on the paper where it can then be transferred to the material and cut out.

Using classroom presentations, coupled with hands on demonstrations, this course will cover making the pattern, inside corner scribe and a modified v-plug outside corner installation.

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### **Linoleum Installation Techniques**

This course concentrates on the unique installation methods needed to successfully install linoleum. Using classroom presentations, video and hands on demonstrations, participants will learn about the manufacturing process, fitting concerns, seam cutting, repairs, and heat welding.

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### **Sanitary Base and Cold Weld**

Mostly used in hospital settings, sanitary base is a product that combines vinyl base with flash coving, to produce an integral flooring system that is easily sterilized. This course covers the installation techniques required to successfully install sanitary base. A cold-welding technique is used to seal all seams between flooring and molded base sections. Hands on demonstrations of fitting, installing and cold welding will be covered.

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### **Vinyl Wall Base Installation**

Vinyl wall base and millwork vinyl base is the subject of this course. This course will teach the proper installation techniques for vinyl wall base, including millwork vinyl base.

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### **Diagonal Tile Layout and Installation**

This class will incorporate classroom presentations, videos and hands-on exercises to properly demonstrate the correct way to layout and install a diagonal tile job.

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### **Rubber Stair Treads and Stringers**

Concentrating on fitting techniques this class will develop your hands-on skills by installing a flight of stairs with a rubber skirt board followed by the rubber stair treads and stair risers. This class will be mostly hands on demonstrations and skill practice sessions.

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### **Install Carpet Refresher**

This class will outline the skills necessary to complete the Install carpet certification. Three segments of skills will be reviewed. Clue down carpet installations. Stretch carpet installation and upholstered step with a balaster. Each of these sections will start with the preparation of the work and follow the industry standards and procedures that manufactures and end users specify.

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### **Hand Sewing**

Hand sewing will start in the classroom with discussion on where and when this procedure is needed. Basic stitches such as cross and overcast stitches will be demonstrated and practiced. Participants will then cut, sew and latex a length seam as well as a head seam

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### **Heat Tape Seaming**

This upgrade class will start in the classroom with a power point presentation that will cover industry standards for cutting, preparing, and heat seaming carpet with thermal plastic materails. Seam sealing procedures, junctions, temperature settings and stretching methods will be discussed. The second half of the class will be a project in the workshop. This exercise will include all skills combined to complete thermal plastic hot melt seams with junctions and

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### **Thermal Plastic Seam Sealing**

Instructors will be demonstrating this innovative method of sealing both edges of the carpet using a glue, this method also reduces seam peaking. Participants will get hands on practice using the products and tools required for this process.

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### **Install Carpet Certification**

8 hour course. The Install Carpet Certification will start with a power point presentation that will REVIEW three sections of the hands-on assessment. This powerpoint will emphasize industry and manufactures standards of installation that will be the focus of hands on work. Safety, housekeeping, and other testing guidelines will be discussed at this time. The rest of the certification will be spent with the installation of direct glue, stretch pattern carpet and cap step with post. This is carried out by each individual installer on their own with work orders

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### **Tack Strip Stairs Installation**

Participants in this class will learn the fundamental methods used when installing stairs with tack strip and cushion. Spacing, pin direction, gully space and tooling of steps will be demonstrated.

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### **Stretch Boarder**

Stretch boarders will entail many variables and differ greatly from boarder work that is installed by direct glue. This upgrade will focus on methods and techniques used to arrive at an industry standard of tolerance expected. Time will also be spent on seam junctions, miters, and direction options for layout.

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### **Upholstered Step with Baluster**

This class will detail methods used to install carpet materials on and around a cap step with spindles or balusters. Tack strip installation of riser, tread, and posts will be demonstrated as well as other fastening and sealing of carpet materials.

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### **Custom Rug**

Custom rug class will involve making and transcribing patterns and designs to carpet and then finishing the look with rug carving tools. Individuals will start with their initials and increase the intricacy as cutting and carving skills develop. The participants will finish each rug by hand binding the raw edges.  
Call Training Campus to be added to the waitlist.

### **Glue Gun Upholstered Bull**

#### **Nose Step**

With today's carpet backings, installing a bull nose waterfall step has become increasingly more difficult to install with the hand sewing method. This class will demonstrate the thermal plastic glue gun technique for this specific installation. This will include a video demonstration followed by hands on practice.  
Call Training Campus to be added to the waitlist.

### **Basic Stretching**

A powerpoint presentation will outline stretch fundamentals. Discussion of carpet composition and stretch variables will be employed with procedures to deal with each scenario. Participants will have opportunity to complete full scale stretching projects

### **Commercial Carpet Layout**

Class time will be spent on methods for squaring the workspace for material. We will plot horizontal and vertical grid lines by swinging arcs and 3, 4, 5 methods. Hands on shop time will give participants practice with actual tools and techniques to retain learned skills.

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### **Hand Sewn Upholstered Bull**

#### **Nose Step**

Class time will be spent learning layout and material planning that is necessary for estimating carpet material for these steps. Hands on shop time will include tack strip, cushion, carpet positioning, seam placement, hand sewing and final completion of step.

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