

APPLICATION INSTRUCTIONS

INTRODUCTION Producing an attractive floor that is absolutely unique is within the capabilities of the keen Do it Yourself enthusiast who has an artistic flair. However, planning and preparation are essential requirements for success

COLOURS You will probably have decided on your colour scheme but the proportions of each are critical to the look of the finished floor.

Consideration must be given to the pigmentation strength of the chosen colours. You will require much more of the weaker colour than the stronger. For example, the red-yellow floor shown in the picture was produced by applying an even coat of approximately 560 gms/m² of resin containing 2.5% yellow metallic pigment to the floor.

About 140 gms/m² of resin containing 2.5% red pigment was then poured in thin streams over the yellow and was blended into the yellow with a squeegee.

APPLICATION TECHNIQUE

There are several techniques that will produce attractive 'marble' or swirl effect patterns with ENHANCE CLEARBOND resin.

If a multi-colour system is to be applied the floor must be completely coated in the main colour, this will require 500 - 600 grams per square metre.

The second colour or colours are then applied in streams or drops as required. If desired the colours can be blended or amalgamated with a squeegee or a roller that will not revolve. This must not be done too enthusiastically as the colours will continue to merge as the resin flows and levels.

Another technique is to use equal amounts of two colours. They are poured in separate streams onto the floor in random or regular patterns.

The resin are then spread over the whole area with a fixed roller or a squeegee. Do not over do the spreading and remember that the resin

will continue to flow and level itself after work has finished. During this time the colours will continue to blend and merge.

If you have not previously applied this type of resin system we recommend that you purchase a sample kit with your chosen colours to experiment with. Success with a sample kit will give you the confidence to tackle a full size floor without stress and worry.

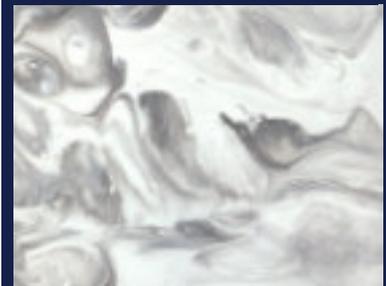
APPLICATION SCHEDULE

The application sequence will be

- Apply 1 coat of Conseal Dry concrete primer
- Apply 1 coat of Clearbond Undercoat if the floor is smooth.
- Alternatively apply 3-4mm of Conseal SL self levelling compound if the floor is rough.
- Inspect the undercoat and remove any nibs or embedded dirt with sandpaper and vacuum again before application of pigmented CLEARBOND.
- Apply pigmented CLEARBOND using the chosen technique.
- Apply several coats of CRYSTALGUARD polyaspartic varnish. This will protect the CRYSTALBOND system form abrasion and provide a durable gloss finish.
- If a matt or eggshell finish is required apply a coat of SYNACRYL FLOOR SEALER.



80% Yellow, 20% Red



80% White, 20% Grey



70% White, 30% Grey

PREPARATION It is essential that the floor is perfectly sound, smooth, flat and free of dirt and dust before application of the coatings. If the floor is reasonably flat this can be achieved by diamond grinding or the application of a self levelling compound such as Conseal SL.

CLEANLINESS The floor must be perfectly clean before the application of any of the coatings. Even a small amount of dirt or grit will spoil the look of the finished floor. Vacuum the floor before application of the primer and again before application of the decorative coats.

APPLICATION INSTRUCTIONS

Application equipment

- Roller frame and pole
- Squeegee and pole
- Good quality rollers, washed and dried to remove fluff. (Washing is essential if a defect free floor is required)
- Electric drill and a flat blade mixing paddle. (Flat blade paddles mix in less air than spiral and propeller types)
- Spiked shoes, gloves
- Digital scales. (Kitchen scales are fine for small jobs)
- Mixing pots, stirring sticks
- Heat gun (optional)

PIGMENT DISPERSION The pigments should be dispersed in the resin (without the hardener) at least 12 hours before it is to be applied. This is to ensure that the pigment is fully wetted and to allow entrained air to escape.

Mix the pigments into the resin using a flat bladed mixer in an electric drill used at a slow speed for at least 5 minutes for small quantities, longer for large quantities.

Pre-dispersion is essential to avoid pigment agglomeration which can cause defects on the surface of the cured coating.

MIXING Add all of the hardener to the pigmented resin and mix for several minutes with a flat blade paddle mixer in an electric drill. Use a low speed and take care to avoid entraining air into the resin. We recommend that you transfer the resin into a clean bucket and mix again, this technique will ensure that there is no unmixed product in the corners of the mixing vessel. The importance of thorough mixing cannot be overstated as poorly mixed product will never cure and the floor will be spoilt by soft and sticky patches.

APPLICATION When you are satisfied that the undercoat or self levelling is defect free and is perfectly clean mix the resin and pour it over an area of floor that you calculate it should cover, spread it with a squeegee and roll it to an even coat with a washed, fluff free roller.

Apply the second colour using your preferred technique.

Pot life of mixed resin and hardener is approximately 30 minutes at ambient temperatures. The floor should be sufficiently hard to withstand foot traffic after 15-30 hours. It should be protected with a coat of Crystalguard modified polyaspartic resin within two days to ensure an adequate inter-coat adhesion.

COVERAGE

It is the applicators responsibility to ensure that the correct coverage is achieved.

We recommend that the area that should be covered by one pack of coating is marked out. Adjust the application rate to ensure that the marked area is covered by the entire contents of a pack. Porous or rough substrates will require more product than regular substrates.

HEALTH & SAFETY

Please see the Safety Data Sheet for full information. All users should ensure appropriate protective measures are adhered to when applying our products.

DISCLAIMER

Customers are advised to thoroughly read and adhere to the instructions provided to ensure the products' optimum finish and performance. All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Any deviation by the user to these instructions may affect the products performance and is therefore not advised. In this circumstance, Xymertec Ltd will not be held responsible and will be unable to offer any product replacement. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications.

We aim to ensure consistency of colour in production (where applicable), however slight variations in shade may occur from batch to batch.