

EPOXY FLAKE FLOORING APPLICATION GUIDE

General Notes

- Ensure to read the all of the TECHNICAL DATA SHEETS, the PREPARATION GUIDE'S and the APPLICATION INSTRUCTIONS thoroughly first.
- It is recommended to do a test patch first to determine the suitability of the product.
- Do not apply when the ambient temperature is below 15c or above 28c.
- Do not apply in direct sunlight when the temperatures exceed 28c.
- The substrate must be cool to touch before applying any sealer or coating.
- Always follow the manufacturer's guidelines for coverage.

Step 1 - Aqua Prime (if used)

- Aqua Prime only requires 1 coat and can be applied by brush, roller, broom, or pump up sprayer, however the best results are achieved using a roller.
- Aqua Prime can be poured directly onto the surface or into a roller tray. Ensure the entire surface is wet, avoid applying the primer/sealer too thick or having it pool on the surface.
- Allow the primer to completely touch dry before applying a subsequent sealer or coating. A minimum of 3 hours drying time is required, weather dependent.
- Ensure that the subsequent sealer or coating is applied within 12 hours of the initial application of the Aqua Prime. The surface must be completely dry before applying any topcoat. Please consult the relevant TDS for topcoat application details.

Step 2 - Water Based Epoxy Base Coat

Mixing

- Mix "part A" thoroughly first.
- Once mixed, slowly pour "part B" into "part A" while still mixing. Mix for approximately 2 minutes using a slow speed drill and squirrel mixing paddle. Allow to stand for 1 minute & then mix again for 1 minute.
- If thinning is required, it is possible to add no more than 5% water to help with the flow. Only add the water to the already MIXED epoxy and slowly mix in thoroughly.
- Only mix enough epoxy that can be used within 20 minutes. It's a good idea to start with mixing only 4ltrs (3ltrs of A to 1ltr of B) to begin with until you are confident with the amount of product that can be installed in a 20min window.
- Never mix a new batch in a previously used bucket as this will accelerate the setting time of the epoxy and you decrease the working time dramatically.

Application

- Always wear the appropriate personal protection equipment.
- Mask up the surrounding skirtings etc.
- Water Based Epoxy should be applied using a 10mm, lint free roller cover.
- Immediately pour the mixed epoxy onto the substrate in ribbons. (Do not leave the epoxy in the bucket or a roller tray as it will go off much quicker)
- Cut in the edges using a brush and roll apply the Epoxy evenly at the approximate rate of 5m² per ltr without leaving any puddles.
- The more times you roll it, the more chance there is of it going off too quick and getting roller marks.
- Ensure to keep "wet edge" of the epoxy to avoid any overlapping marks or roller marks.

- Before the Water Based Epoxy begins to dry, walk back over the epoxy in spike shoes, broadcasting the Decorative Flake chips evenly & liberally into the wet epoxy ensuring that no bare patches are left. If you see gloss patches, apply more flake until the entire floor looks like dry flake.
- Allow the epoxy and flake to harden for 16-20 hours.
- Sweep up any excess Decorative Flake and give the floor a very light hand sand or scrape to flatten any flake that is standing up. Sweep and vacuum thoroughly.
- Remove any tape from the skirting edge carefully.

Step 3 - Polyurethane Top Coats

Mixing

- Polyurethane Coating should be mixed at a ratio of: 3 parts A to 1 part B
- Mix “part A” thoroughly first. Once mixed, slowly pour “part B” into “part A” while still mixing.
- Use a new bucket for every new batch that you mix. Never mix a new batch in a previously used bucket as this will accelerate the setting time of the Polyurethane and you decrease the working time dramatically.

Application

- Always wear the appropriate personal protection equipment.
- Polyurethane Coating should be applied using a lint free, 8mm - 10mm nap roller cover.
- Ensure the floor is completely free from any loose flake and proceed with the first coat of Polyurethane.
- Immediately pour the mixed Polyurethane onto the substrate in ribbons. (Do not leave the Polyurethane in the bucket or roller tray as it will go off much quicker)
- Cut in the edges using a brush and roll apply the Polyurethane evenly at the approximate rate of 6m² per ltr without leaving any puddles. Once the spread rate is achieved, gently "tip off" the polyurethane with the roller and move on to the next section. This will allow the polyurethane to self-level. (The more times you roll it, the more chance there is of it going off too quick and getting roller marks).
- Ensure to keep “wet edge” of the Polyurethane to avoid any overlapping marks.
- Allow 5-8 hours drying time in-between coats.
- When the first coat of polyurethane is completely dry proceed with a subsequent coat, rolling at 45 deg. angles to the previous to achieve an approximate spread rate of 7-8m² per ltr.
- If you allow more than 8 hours drying time in-between coats, it will be necessary to wait approximately 12-16 hours and then sand the floor using a 180# sandpaper prior to applying another coat of Polyurethane.
- Do not walk on for a minimum of 24 hours and allow 14 days before parking cars on it.

*NOTE: Polyurethane has a 7-10 day full cure through rate. Please exercise caution when sitting furniture on, sliding boxes etc and walking on in this time frame. DO NOT DRIVE ON FOR A MINIMUM OF 14 DAYS.