



Floor Repair & Patching

SYSTEM FAMILY

Resin flooring repair / application methodology

TYPE

Localised repair of resin & concrete floors

NOMINAL BUILD

per defect

1. SCOPE & SYSTEM DESCRIPTION

This Application Data Sheet describes POLYZEN's method for **localised floor repair and patching** — reinstating damaged resin or concrete floors: spalls, potholes, delamination, crack arris, joint-edge damage and worn patches — for a durable, flush, serviceable repair.

It is a **brand-flexible application guide** applicable with a POLYZEN system product or a client-approved equivalent. For structural cracks and injection grouting, refer to the Grouting & Structural Repair ADS.

2. SUBSTRATE REQUIREMENTS

- Sound parent floor/concrete around the defect; the extent of damage, delamination and any moisture issue assessed first.
- Existing coating cut back to a firmly bonded edge around the repair area.

3. SURFACE PREPARATION

- Saw-cut / square-up the repair perimeter and remove all unsound material to a sound, dry base.
- Mechanically abrade the repair area and feather edges; vacuum clean.
- Prime the prepared area (and reinforcement where exposed) with the selected primer.

4. ENVIRONMENTAL CONDITIONS

- Substrate & ambient temperature 10-35 °C; substrate ≥ 3 °C above dew point throughout application and initial cure.
- Relative humidity within the selected material's limits; do not apply in falling temperatures.
- Protect the area from dust, water, direct sunlight and traffic during application and cure.

5. MATERIALS

Materials: POLYZEN floor repair mortar & patching system (epoxy / PU repair mortar & patching system) — **or a client-approved equivalent** of the specified type meeting the project specification and standards. Exact mix ratios, consumption, film thickness and cure times are per the **selected material's data sheet**.

6. MIXING

- Mix epoxy / PU repair mortar (resin + hardener + graded filler) to a firm, trowellable consistency per the selected material; mix full units; respect pot life.

7. APPLICATION PROCEDURE

- **Cut & clean:** square the perimeter, remove unsound material, prime.
- **Fill:** place the repair mortar in lifts to the required depth; compact and strike off flush with the surrounding floor.
- **Feather & level:** feather edges to blend; level to falls.
- **Re-coat:** once cured and abraded, re-coat / re-seal the patch to match the surrounding floor finish and colour.

8. COVERAGE, COATS & THICKNESS

- Repair mortar and re-coat consumption per the measured defect volume and the selected material's data sheet.

9. CURING & RETURN TO SERVICE

- Light traffic typically ~12-24 h; full cure ~7 days at 25 °C (indicative). Fast-set repair materials reduce downtime — per the selected material's data sheet.

10. FINISHING & DETAILING

- Flush, feathered repair blended to the surrounding floor.
- Re-coat / re-seal to match colour, gloss and slip of the existing floor.

11. QUALITY-CONTROL CHECKPOINTS

- Verify sound perimeter and removal of unsound material.
- Check repair depth, compaction and flushness.
- Confirm re-coat colour / gloss / slip match.
- Record ambient conditions.

12. DO'S & DON'TS

Do

- Square-up and prime the repair area.
- Fill in lifts and strike off flush.
- Feather and re-seal to blend.
- Follow the selected material's data sheet.

Don't

- Don't patch over unsound or delaminated material.
- Don't leave proud or sunken edges.
- Don't skip priming the cut-out.
- Don't mix products from different systems.

13. CLEANING & MAINTENANCE

- Return the repaired area to the normal floor cleaning regime after cure.
- Monitor the repair edge for re-lifting.
- Re-seal periodically with the floor.

14. HEALTH, SAFETY & ENVIRONMENT

- Uncured epoxy resins and amine hardeners can cause skin/eye irritation and sensitisation — wear chemical-resistant gloves, goggles and protective clothing.
- Ensure adequate ventilation during mixing and application; control spills and prevent uncured material entering drains.
- Refer to the selected material's Safety Data Sheet (SDS) for full handling, first-aid, spill and disposal information.

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Disclaimer: this interim Application Data Sheet describes POLYZEN's typical application methodology for this class of system and is provided in good faith. It is a brand-flexible application guide; exact mix ratios, consumption, film thickness and cure times are governed by the selected material's data sheet. All parameters are typical/indicative and are confirmed in the project-specific Method Statement. POLYZEN reserves the right to revise this document; the latest version supersedes all previous.