

Polyurethane concrete floor paint preparation instructions:

Proper surface preparation is critical to the performance and lifespan of a **polyurethane oil-based floor paint**. Skipping or rushing prep is the most common cause of peeling, poor adhesion

1. Check Conditions Before You Start

- Surface must be **clean, dry, and sound**
- Ensure good ventilation during preparation and painting
- Moisture content in concrete should be low—**no rising damp**

2. Remove Loose Material & Contaminants

- Sweep and vacuum thoroughly to remove dust, dirt, and debris
- Scrape away any loose or flaking paint
- Remove Laitance (powdery concrete residue) from new concrete

3. Degrease & Remove Oil Contamination

Oil-based polyurethane paints **will not bond** to oil or grease.

- Use a **heavy-duty concrete degreaser**
- Work it in with a stiff brush or rotary scrubber
- Rinse thoroughly with clean water
- Repeat if necessary (oil stains may need multiple treatments, If oil has soaked deep into concrete, mechanical abrasion may be required.)

Previously Painted or Smooth Floors - Light abrasion Aim for a **slightly rough, matt surface** (keyed profile)

New or bare concrete - **Acid etching** or mechanical grinding to open pores, Neutralise and rinse thoroughly if acid etching is used. Please leave minimum 12 weeks before painting a new concrete floor.

4. Ensure Surface Is Completely Dry

- Allow concrete to dry **24–48 hours** after washing or etching
- No visible damp patches
- Moisture trapped under oil-based paint can cause blistering

5. Prime the surface and apply top coat.

- If its new or bare concrete , we recommend to use our Marl Coatings Pre Seal, leave this to dry for 24 hours then go ahead with the top coat , Give the floor paint a thorough mix and apply a nice thin even coat. 2 coats maximum are recommended with our floor paints.

We do not recommend to use on power floated surfaces, tiles, bitumen, galvanised metal or contaminated areas with oil, glues, stains without proper cleaning. For DPM membrane areas please refer back to the manufacturers information on what floor paints can be applied.