

FLOOR Projection Paint

Installation Guide · Two-component water-based epoxy floor coating

Read the Safety Data Sheets for Part A and Part B before opening the containers. Both parts can cause an allergic skin reaction and serious eye irritation. Wear nitrile gloves, goggles and long sleeves.

1. BEFORE YOU START

Kit	Part A, pigmented epoxy base (G00FLOORA). Part B, hardener (G00FLOORB).
Mix ratio	4 parts A to 1 part B, by volume
Coats	Bare concrete: 1 thinned primer coat, then 2 coats. Painted concrete or wood: 2 coats.
Coverage per coat	3.3 to 8.1 m ² /L (130 to 320 sq ft/US gal)
Pot life	8 hours at 10 °C, 5½ hours at 25 °C, 3½ hours at 49 °C
Thinner and clean-up	Clean water only

2. SITE CONDITIONS

- Air, surface and material temperature: 10 °C to 38 °C (50 °F to 100 °F)
- Surface at least 2.8 °C (5 °F) above the dew point
- Relative humidity: 85 % maximum
- Keep rain, dew, condensation and high humidity off the coating for the first 16 to 24 hours of cure

3. SURFACE PREPARATION

The surface must be clean, dry and sound. Remove all oil, grease, dust, dirt, loose rust and other foreign material. Do not use hydrocarbon solvents for cleaning.

Concrete and masonry

- New concrete and mortar must cure at least 28 days at 24 °C (75 °F).
- Prepare to SSPC-SP13/NACE 6 or ICRI No. 310.2R, surface profile CSP 1 to 3.
- Remove laitance, concrete dust, form release agents, curing membranes, hardeners and loose cement or mortar.
- Fill bug holes, air pockets and other voids with a compatible epoxy patching compound.
- Apply a primer coat of FLOOR (see step 5).
- Reference methods: ASTM D4258 (cleaning), ASTM D4259 (abrading), ASTM D4260 (etching), ASTM F1869 (moisture vapour emission rate).

Wood floors

- Clean, dry, sound, smooth and free of dust. Remove oil and dirt with a degreaser or strong detergent.
- Sand away loose or deteriorated wood to give a surface profile.
- Scrape, sand and spot-prime knots and pitch streaks. Caulk nail holes and small openings.

Previously painted surfaces

- If the old coating is sound, clean it and dull smooth, hard or glossy areas by abrading.
- Apply a test patch and let it dry one week before testing adhesion. If adhesion is poor, or FLOOR attacks the old finish, remove the old coating.
- If the old coating is peeling or badly weathered, take it back to a sound substrate and treat the surface as new.

4. MIXING

- Stir each part thoroughly with a low-speed power mixer. Make sure no pigment is left on the bottom of the Part A container.
- Combine 4 parts A with 1 part B by volume and power-mix thoroughly.
- No induction time is needed. The mix can be used at once.

- If you thin, add water only after both parts are fully mixed together.
- Do not use the mix past its pot life, even if it still looks usable. Do not blend old mixed material with a fresh mix.
- Do not tint on site without checking with Paint On Screen.

5. APPLICATION

Brush	Nylon/polyester or natural bristle
Roller	6 to 10 mm (1/4 to 3/8 in) woven cover with a solvent-resistant core
Primer coat on bare concrete	Thin with clean water as needed, up to 10 % by volume (100 mL per litre, about 13 fl oz per US gallon)
Finish coats	Apply unthinned
Film thickness per coat	125 to 300 µm wet (5 to 12 mils), giving 50 to 125 µm dry (2 to 5 mils). Recommended 50 to 100 µm dry.

- Spread evenly and keep within the film thickness range. Coats that are too thin or too thick can reduce performance.
- Cove bases and vertical surfaces may need extra coats for full film thickness and an even appearance.
- For other application equipment, ask Paint On Screen first.

6. DRYING AND RECOATING AT 175 µm (7 mils) WET FILM

	10 °C (50 °F)	25 °C (77 °F), 50 % RH	49 °C (120 °F)
Touch dry	1 hour	1 hour	30 minutes
Recoat, minimum	8 hours	6 hours	3 hours
Recoat, maximum	72 hours	72 hours	72 hours
Foot traffic	36 hours	18 hours	8 hours
Heavy traffic		48 hours	
Full cure	7 days	7 days	7 days

Times depend on temperature, humidity and film thickness. If more than 72 hours pass between coats, abrade the surface before recoating.

7. PRACTICAL TIPS

- Always check adhesion first: apply a test patch of 0.2 to 0.3 m² (2 to 3 sq ft) and let it dry one week before testing.
- Coverage figures are calculated from volume solids. Allow for losses from surface profile and porosity, mixing, spillage and application technique.
- Over-thinning reduces film build, appearance and adhesion.
- Where slip resistance is needed, an anti-slip additive can be stirred into the coating. FLOOR is not a substitute for a non-skid finish.

8. CLEAN-UP AND DISPOSAL

- Clean spills, spatters, hands and tools at once with soap and warm water. Do not use hydrocarbon solvents.
- Let leftover mixed material cure in the container before disposal. Do not pour liquid product into drains. See Section 13 of the Safety Data Sheets.

9. STORAGE

Store indoors at 4.5 °C to 38 °C (40 °F to 100 °F). Protect from frost. Shelf life unopened: Part A 24 months, Part B 36 months. Technical data and instructions can change without notice.

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