

EPOXY FLOOR DEFECT TROUBLESHOOTING CHECKLIST

Jobsite worksheet for evaluation before recoating or technical review

Do not apply the next coat until the defect type and likely cause have been evaluated.

1 PROJECT & PRODUCT INFORMATION

Project / Facility: _____ Date / Time: _____
Contractor / Crew: _____ Area / Room: _____
Thermal-Chem Product: _____ Batch / Lot: _____
Primer / Prior Coat: _____ Coverage Rate: _____

2 DEFECT APPEARANCE

What does the defect look like?

- | | |
|--|---|
| ☐ Raised and intact - bubble | ☐ Tiny open holes - pinholes |
| ☐ Circular depression - crater | ☐ Larger raised area - blister |
| ☐ Coating pulled back - fisheye | ☐ Other / uncertain |

Approx. size: _____ Approx. affected area: _____

3 TIMING OF ONSET

When did it appear?

- | | |
|--|---|
| ☐ During primer application | ☐ During body / build coat |
| ☐ During finish coat | ☐ After cure, before service |
| ☐ After floor entered service | ☐ Timing unknown |

Time after application: _____ Location / pattern: _____

4 ENVIRONMENTAL CONDITIONS

Ambient air temperature: _____ Concrete surface temperature: _____

Material temperature: _____ Relative humidity: _____

Dew point: _____ Surface temp - dew point: _____

- | | |
|---|--|
| ☐ Slab temperature rising | ☐ Direct sun / heaters / hot spots |
| ☐ Fans, open doors or strong airflow | ☐ Conditions changed during application |

! QUICK FIRST RESPONSE

When a coating defect appears:

1. Stop and evaluate before applying the next coat.
2. Photograph the defect, the overall affected area and current readings.
3. Record concrete, air and material temperatures again.
4. Note when the defect appeared and whether jobsite conditions changed.

Do not puncture blisters, add heat or recoat until the likely cause has been evaluated.

5 MIXING & APPLICATION CHECK

- ☐ Correct mix ratio used
- ☐ Mixing head kept submerged
- ☐ Material within pot life
- ☐ Recommended coverage maintained

- ☐ Recommended blade used
- ☐ Controlled mixer speed
- ☐ Roller pre-saturated
- ☐ No unapproved solvent / reducer

Mix start time: _____

Application start time: _____

Mix time / speed: _____

Material age when defect appeared: _____

6 SUBSTRATE & MOISTURE REVIEW

- ☐ Concrete appeared porous
- ☐ Oil, grease, silicone or residue possible
- ☐ Moisture testing completed

- ☐ Bugholes / open voids visible
- ☐ Active leak / liquid intrusion possible
- ☐ Test patch / adhesion check completed

Moisture test method: _____

Test date: _____

Result: _____

Applicable limit: _____

- ☐ Within limit

- ☐ Outside limit

Surface prep / profile: _____

Existing coating condition: _____

7 IMMEDIATE ACTION & DOCUMENTATION

- ☐ Stopped application to evaluate
- ☐ Photographed defects and overall area
- ☐ Close-up photo taken
- ☐ Allowed coating to cure before repair
- ☐ Filled / reprimed as approved

- ☐ Recorded conditions again
- ☐ Marked affected locations
- ☐ Temperature-reading photo taken
- ☐ Sanded / abraded affected area
- ☐ Held next coat pending technical review

Photo file names / numbers: _____

Affected area marked: _____

8 NOTES, LIKELY CAUSE & RECOMMENDED NEXT STEP

Notes, likely cause and recommended next step:

Information ready for Thermal-Chem Technical Support:

- | | | | |
|--|---|---|---|
| ☐ Completed checklist | ☐ Photos | ☐ Product / batch information | ☐ Temperature readings |
| ☐ Moisture-test results | ☐ Surface-prep details | ☐ Other supporting information | |

Questions before the next coat goes down?

Call Thermal-Chem Technical Support at 800-635-3773 or visit thermalchem.com/contact