

CRACKING & PINHOLES

OVERVIEW

Cracks and pinholes compromise chemical resistance and structural integrity, often originating from substrate movement, improper application, or rapid curing.

Causes

- Rapid solvent evaporation from high temperature or airflow.
- Excessive film thickness.
- Substrate shrinkage or movement.

Correction & Prevention

- Repair cracks and feather edges of coating.
- Apply multiple thin coats rather than one thick coat.
- Control environmental conditions to reduce exotherm or rapid drying.

Best Practices

- Conduct test patches to evaluate substrate behavior.
- Use moisture mitigation primers on slabs with elevated MVE.