

TROUBLESHOOTING ADHESION FAILURES

OVERVIEW

Adhesion failure is a critical issue that can cause delamination, lifting, and coating failure. Identifying root causes ensures corrective action before full system installation.

Common Causes

- Moisture exceeding product limits (MVE or hydrostatic).
- Poor substrate preparation (dust, laitance, oil, curing compounds).
- Improper primer selection or insufficient film build.
- Environmental conditions outside manufacturer specifications.

Corrective Actions

- Remove coating back to bare concrete.
- Re-test moisture and confirm substrate readiness.
- Remove contaminated or weak substrate areas.
- Reapply coating using appropriate moisture mitigation primer or bonding system.
- Adjust application environment (temperature, RH, airflow).