READY TO INSPECT — STANDARD FIELD GUIDE

ASTM F710 / F3010 (slab moisture)

ASTM International

ASTM F710 and F3010 cover what has to be true about a concrete floor before resilient flooring, adhesive or a coating goes over it. They address how moisture and alkalinity are assessed, how the surface is prepared to receive the covering, and where a topically applied moisture-mitigation system fits when the slab is too wet. On site it is the go or no-go the installer answers before the covering is committed, since a moisture failure surfaces only after the floor is down.

What it covers

- Relative-humidity in-situ probe and surface moisture testing
- Slab surface alkalinity and bond assessment
- Surface preparation, profiling and contaminant removal
- Flatness and soundness of the substrate before covering
- Topically applied moisture-mitigation systems
- Acclimation and site conditions at installation

What a field inspection looks at

- RH probe readings photographed at the meter with the probe location and test date, not transcribed onto a single summary line.
- Prepared surface photographed profiled and free of curing compound, sealer and dust before adhesive or coating.
- Test locations documented across the floor rather than a single reading offered for the whole slab.
- Any moisture-mitigation coating photographed applied and cured before the covering hides it.
- Site temperature and humidity at installation recorded, so a later bond failure can be tied to conditions.

Adoption varies by jurisdiction. Confirm the edition your authority having jurisdiction enforces before you run a walk against it.