



## VaporFortress – UNDER-SLAB VAPOR BARRIER INSTALLATION GUIDE

*(For Use Beneath Concrete Slabs – ASTM E1745 Compliant)*

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**1. SITE PREPARATION** - Grade and compact subbase to a smooth, level surface free of sharp objects, standing water, and debris. - Remove rocks, roots, or protrusions that could puncture the barrier. - Ensure final grade is within project tolerances before installation.

**2. ROLL OUT THE VAPOR BARRIER** - Unroll sheets over prepared base, keeping them flat and wrinkle-free. - Place printed side (if applicable) facing up for inspection. - Overlap seams **minimum 6 inches (150 mm)** or per project specification.

**3. SEAMING** - Seal overlaps with **compatible vapor barrier tape**. - Apply tape centered over seam, press firmly for full adhesion. - For high-moisture or critical applications, add a bead of mastic under the overlap before taping.

**4. PENETRATIONS & TERMINATIONS - Pipes/Conduits:** Cut an “X” in the barrier, slide over, and seal tightly with tape or pre-formed boots. - **Perimeter Edges:** Extend barrier to formwork or wall and seal with mastic and/or termination tape. - Ensure continuous vapor seal with no gaps or tears.

**5. REPAIRING DAMAGE** - Inspect before concrete placement. - Patch punctures/tears with a piece of barrier at least **6 inches larger** than damaged area in all directions, sealed with compatible tape. - Do not pour concrete until repairs are complete.

**6. FINAL INSPECTION** - Confirm continuous coverage. - Verify seams, edges, and penetrations are sealed. - Protect barrier from construction traffic, rebar chairs, and sharp objects until pour.

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*Install in accordance with ASTM E1643 and project specifications. Improper installation may reduce performance and void warranty.*

**VaporFortress – ASTM E1745 Class A/B/C Vapor Barrier**

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