

Air & Water Barrier Spec Checklist

Air & Water Barrier Brief | General reference only. Always follow project specifications, the manufacturer's instructions and the applicable codes.

Submittals & specification

- System tested as an assembly (ASTM E2357) and materials meet ASTM E2178 air permeance where specified
- Water-resistive barrier properties and code basis identified (IBC 1403 / NBC as applicable)
- All transition membranes, primers, sealants and tapes named and confirmed compatible by the manufacturer
- Vapor permeance of the barrier suits the climate zone and wall assembly (verify with a design professional)
- Manufacturer's installation instructions and warranty requirements included
- Installer qualifications stated (e.g. ABAA Quality Assurance Program where specified)

Substrate & conditions

- Substrate clean, dry, sound, and within the manufacturer's moisture limits
- Application and cure temperature ranges confirmed
- Primer requirements and recoat/exposure windows confirmed (UV exposure limit)

Transitions & details

- Window/door rough openings: sill pan, end dams, back dams, shingle laps
- Roof-to-wall and foundation-to-wall continuity detailed
- Penetrations (pipes, ducts, anchors, brick ties) sealed per detail
- Movement and expansion joints bridged with the specified accessory
- Shelf angles and masonry flashing integrated, with weeps
- Laps shingled so water sheds outward; no reverse laps

Mock-up & field QA

- Mock-up built and approved before production
- Field testing as specified (e.g. ASTM E783 air, ASTM E1105 water, adhesion pulls)
- Inspection hold points before cladding covers the barrier
- Damage and open-time exposure repaired before closing in
- Photo documentation and sign-off logged

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