

**2021 International Building Code (IBC)  
Key Changes in Waterproofing & Underlayment Procedures  
for ASMV**



**2510.6.1 Dry Climates**

**One of the following shall apply for dry (B) climate zones:**

1. The water-resistive barrier shall be two layers of 10-minute Grade D paper or have a water resistance equal to or greater than two layers of water-resistive barrier complying with ASTM E2556, Type 1. The individual layers shall be installed independently such that each layer provides a separate continuous plane and any flashing, installed in accordance with Section 1404.4 and intended to drain to the water-resistive barrier, is directed between the layers.
2. The water-resistive barrier shall be 60-minute Grade D paper or have a water resistance equal to or greater than one layer of water-resistive barrier complying with ASTM E2556, Type II. The water-resistive barrier shall be separated by the stucco (or Stone Veneer) by a layer of foam plastic insulating sheathing or other nonwater absorbing layer, or a drainage space.

**2510.6.2 Moist or Marine Climates**

**In moist (A) or or marine (C) climate zones**, water-resistive barrier shall comply with one of the following:

1. In addition to complying with item 1 or 2 of section 2510.6.1, a space or drainage material not less than 3/16 inch (4.8 mm) in depth shall be applied to the exterior size of the water-resistive barrier.
2. In addition to complying with item 2 of section 2510.6.1, drainage on the exterior side of the water-resistive barrier shall have a minimum drainage efficiency of 90 percent as measured in accordance with ASTM E2273 or Annex A2 of ASTM E2925.

**Takeaway Notes:**

- Code defines the minimum standard. Code adoption comes ICC recommended across all climate zones as best building practice.
- Two layers of any WRB with the Clip System's 1/4" built-in drainage plane is both acceptable and code exceeding and in all climate zones. The Clip System's drainage plane is a continuous, free and open, ventilated airspace.
- Or, two layers of any WRB with drainage mat (for mortar and wire lath stone installations) is acceptable in all climate zones.

