



SonoWall

Water Resistive Barrier Requirements for Cement Plaster Stucco on Framed Construction in the 2006 IBC and IRC

TECHNICAL BULLETIN

The basic water resistive barrier requirements prescribed in the 2006 International Building Code and the 2006 International Residential Code are described below. Local building code requirements may differ due to local amendments to these codes or other code versions in use.

The Water Resistive Barrier Requirements for StuccoBase or ASTM C926 Stucco (field mix) are as follows:

On Non-Wood Based Sheathing - a minimum of 1 layer of No.15 asphalt felt, complying with ASTM D226 for Type 1 felt, or other approved material.

On Wood Based Sheathing - a water-resistive vapor permeable barrier with a performance at least equivalent to 2 layers of Grade D paper.

The code includes an exception for water-resistive barriers over wood based sheathing which states: "Exception: where the water resistive barrier that is applied over wood based sheathing has a water resistance equal to or greater than that of 60 minute Grade D paper and is separated from the stucco by an intervening, substantially non-water absorbing layer or drainage space."

Alternative water-resistive barriers that may be used include polymeric water-resistive barriers such as Tyvek® StuccoWrap and acceptable equals that comply with and are recognized by local building codes as meeting the requirements listed above. Please refer to specific manufacturers for verification of their products' compliance with applicable code.

SonoWall FT-R fluid-applied water resistive barrier can be used, provided a subsequent layer of minimum Grade D paper, paper-backed lath or a polymeric water-resistive barrier such as Tyvek StuccoWrap or equal is applied over the SonoWall FT-R.

Note: SonoWall FT-R has also been tested per ASTM E2178 Air Permeance of Building Materials, and may be used as part of an air barrier system.

Mixed Sources (Paper)

Product group from well-managed forests, controlled sources and recycled wood or fiber

Note

BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein after referred to as "BASF Wall Systems")

Residential Policy

Apply walls systems in accordance with local building codes in force at the time of construction. On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for moisture drainage. The choices include water drainage EIFS, SonoWall Stucco Wall Systems, and SonoWall Cement-Board Stucco™ Systems. There are no exceptions to this policy. Under no circumstances will BASF Wall Systems warrant the use of any other system on this type of construction without expressed written authorization from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water drainage provisions described above. SonoWall Exterior Surfacing Systems for insulating concrete forms are also acceptable.]

See the SonoWall Residential Policy Bulletin for a more detailed discussion of this topic. Consult BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the SonoWall website, www.sonowall.basf.com for additional information about products and systems and for updated literature.

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