

GG220-14

507.1, 507.2 (New)

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Revise as follows:

507.1 Moisture control preventative measures ~~measure inspections~~. Moisture preventative measures shall be inspected in accordance with Sections 902 and 903 for the categories listed in Items 1 through 7. Inspections shall be executed in a method and at a frequency as listed in Table 903.1.

1. Foundation sub-soil drainage system.
2. Foundation waterproofing.
3. Foundation dampproofing.
4. Under slab water vapor protection.
5. Flashings: Windows, exterior doors, skylights, wall flashing and drainage systems.
6. Exterior wall coverings.
7. Roof coverings, roof drainage, and flashings.

Add new text as follows:

507.2 Moisture Control Preventative Measures. Moisture control preventative measures shall be incorporated into the design of the building for each of the items listed in Section 507.1. For Item 6, a rainscreen wall shall be designed using one of the following methods:

1. System designed with minimum 1/4 inch airspace exterior to the water resistive barrier, vented to the exterior at the top and bottom of the wall, and integrated with flashing details, or
2. Water resistive barrier with enhanced drainage, meeting 75 percent drainage efficiency as determined in accordance with ASTM E2273, or
3. Rainscreen system design using materials that comply with ASTM WK-39491.

Add new standard(s) as follows:

ASTM E2273-03(2011) Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies

ASTM WK-39491 Specification for Manufactured Polymeric Drainage and Ventilation Materials used to Provide a Rainscreen Function

Reason: The greenest building there is, is the building you don't have to build. Having liquid water enter into the building envelope is a major cause to premature building envelope failure resulting in buildings being retrofitted or rebuilt. By having an air space, a high efficient water resistive barrier or a rainscreen wall, there will be less likely to be premature building envelope failure caused by liquid water.

Cost Impact: Will increase the cost of construction. Either of these measures will result in a small increase in labor and material costs

Analysis: A review of the standard proposed for inclusion in the code, ASTM E2273-03(2011) and ASTM WK-39491 with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28), will be posted on the ICC website on or before April 1, 2014.

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