

Inquiry: #2009-02

Subject: Reinstallation of Aggregate Surfacing Materials

Code: 2007 Minnesota State Building Code
2006 International Residential Code
2006 International Building Code

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Question: When reroofing, what does the code mean by the provision; “Aggregate surfacing materials shall not be reinstalled.”

Answer: Section R907.5 of the 2006 IRC and Section 1510.5 of the 2006 IBC include the statement “Aggregate surfacing materials shall not be reinstalled”. IBC Section 1510.5 was amended to reference an ASTM standard to address the reinstallation of aggregate materials used as ballast for roofing systems. It should be noted that the term “aggregate” has more than one meaning when reading these sections. One aspect refers to aggregate as a stone or rock surfacing material and second the term refers to the total or whole roof area in question.

IRC Section R907.5 and IBC Section 1510.5 permit the reinstallation of certain roof coverings such as slate, clay or cement tile when not damaged, cracked or broken. These code sections also allow the reinstallation of certain roofing components as vent flashing, metal edging, drain outlets, collars and metal counterflashings when the component is not rusted, damaged or deteriorated.

Minnesota Rule Chapter 1305.1510 Section 1510 “Reroofing” amends IBC Section 1510.5 to permit the reinstallation of aggregate surfacing materials when in compliance with ASTM C-33, Standard Specification for Concrete Aggregate. This amended language was added to permit the reinstallation of aggregate material when used as ballast in conjunction with membrane type roofing systems. In these applications the ballast material typically not been contaminated by other roofing materials or components. Aggregate surfacing materials used in conjunction with built-up roofing systems often times become contaminated with asphalt roofing products.

In summary the only roof surfacing materials permitted for reinstallation include slate, clay or cement tile when not damaged, cracked or broken associated with the whole roof surface area (asphalt shingles are not permitted to be reinstalled). Aggregate ballast roof material is permitted for reinstallation when the aggregate material in question complies with ASTM C-33 requirements.