



NOTICE

To Colleyville Contractors and Developers

Re-Roof Decking Requirements for Clay & Concrete Tile

Date: November 15, 2007

Reference: Question in reference to residential roof decking requirements; (what is the minimum roof decking specifications for clay and concrete tile shingles in Colleyville?).

The city of Colleyville's policy is as follows:

The City of Colleyville is currently under the 2003 International Residential Building Code. The roofing requirements are primarily in Chapter 9. In Section R905.3 and R905.3.1 it states that clay and concrete tile shall be installed in compliance with ASTM C1167 and that the tile roofing materials shall be installed only over solid sheathing or spaced structural sheathing boards. If you plan to achieve this through the use of structural panels (sheathing) chapter 9 refers you to table R503.2.1(1) for the minimum size (e.g. thickness) panel necessary to support various live/dead loads. There are many factors to consider such as: roof rafter sizes and spacing, live and dead loads of roofing materials, the recommendations of the decking manufacturer and the recommendations of the roofing material manufacturer etc.

Also, clay and tile roofing products are **proprietary and must follow their manufactures installation recommendations to meet warranty requirements and building code compliance (the most structurally restrictive requirements shall apply)**. The building code establishes minimum construction standards and does not necessarily address all new building products. Proprietary building products are require to be tested by approved private testing agencies that test, list and approve proprietary products. As a result of that testing **installation standards or recommendations are usually developed which detail the minimum construction installation methods**. In absents of a particular manufacture's installation standards the City of Colleyville will require the most restrictive (e.g. **full decking**) method of achieving code compliance. **In the case of defining appropriate spaced structural sheathing, details must be prepared and submitted, for approval, to the Building Inspection Department by a State of Texas licensed architect or engineer.**

To recapitulate, the minimum thickness of the decking you will need to install will be determined by the manufacturer's installation standards, which must be submitted to the building inspection department at the time your roofing contractor applies for a roofing permit.

If you have any additional questions, please feel free to call the Building Official at 817.503.1054.