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TDI Roof Inspection Guide



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Tips and install techniques to insure your roof passes a TDI inspection

The Texas Department of Insurance or “TDI” has set certain roofing installation standards that must be followed by your roofing contractor in order to receive a certificate of reinsurance on your home’s roof. This brochure developed by Eclat Roofing for homeowners is to provide information on the necessary install techniques to receive a passing grade. Although general roofing construction is the same, certain extra care must be given to important areas of the roof. This guide will cover the proper techniques to install a TDI roof.

TIPS

All fasteners/nails must be galvanized or electro galvanized to meet code in a TDI inspection zone. Any shingle manufacturer can be used in these zones but please check with your local TDI office to make sure the brand you wish to use is ok. Only one commercial flat roof brand is allowed in a TDI zone and that is Certainteed flat roof products. A TDI home has two inspections during construction. One at the 1/3 to 1/2 construction mark, and the other upon completion. If everything checks out ok then the homeowner is presented with a certificate of passing, via the internet.

INSTALL TECHNIQUES



All button tap nails on felt must be no farther apart then 12 inches from any other given nail and all nails must be on the given lines on the felt paper.



It is good measure to bring felt paper a 1/4 inch away from edge of drip edge. Do not go over the drip edge or this could be a problem during inspection.



On the starter course of shingles, nails must be placed as pictured to pass inspection. Nails need to be between 2 and 2 1/2 inches from the front of the shingle, the back of the shingle must be nailed down as well. It is good measure for the first course of shingles to overhang the drip edge by 3/8 of an inch and no more. If the drip edge comes out too far it can sag down and also provides more loose surface area for high winds to get under the shingle and loosen or even remove it. If drip edge is out past 3/8 you will have to fix the problem before the roof will be passed by the inspector.

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The rakes of a house are often called a gable, the shingles on the gables should still extend out 3/8 of an inch over the edge of the rake. The nails on the shingles should be between 1 and 1 3/4 of an inch from the edge of the shingle. In the picture above the nails have been installed in the wrong place.



In this picture the nails are placed in the correct spot to properly hold the shingle in place.



The Ridge in the picture has been nailed in the incorrect place. Nails should not be fastened on the tar line because they can inhibit the shingle from attaching itself to the tar strip. Ridge cap nails must be attached behind the tar line about 1/2 an inch away. Failure to fasten the nails correctly can result in a failed inspection.



This is the proper technique for installing shingles. The nails must be attached along the nail line provided by the manufacturer. We recommend using 6 nails per shingle for adequate holding power under heavy winds.



The house in the picture has reached the 1/3 mark of construction. Now is the time to schedule your first roofing inspection with TDI. After they inspect the home and give the ok for moving forward to completion keep following the same guidelines and the final inspection will go as smooth as the first.

Please note this brochure may not cover all techniques under TDI's specifications, if homeowners have any questions about specific concerns on their roof they should contact The Texas Department of Insurance to speak with a on staff engineer about the issue. Or call Eclat Roofing at 713-443-3805 or Toll Free 866-243-0002

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