



August 14, 2009

To Whom It May Concern:

This letter is to confirm that it is acceptable to apply Owens Corning shingles over PALISADE™ Synthetic Roof Underlayment as an alternative to asphalt saturated felt. The Synthetic Roofing Underlayment must be installed in accordance with the manufacturer's application instructions. The use of Synthetic Underlayment with Owens Corning shingles is not considered an Underwriter Laboratory (UL) fire rated system. The system must be tested in accordance with UL requirements to be considered a fire rated system.

For slopes 2:12 to under 4:12 synthetic underlayment must be over lapped on each course by a minimum of 19 inches to meet the requirements of the building code.

Ventilation requirements, attics and rafter spaces must have a total net free vent area of one square feet per 150 square feet of attic floor or ceiling area. The ratio can be reduced to 1/300, if there is a vapor retarder having a transmission rate not exceeding one perm, installed on the warm side of the ceiling **OR** where a balance system can be achieved. For a balanced system, ventilation should be equal at the under eave and ridge. In cases where a balanced system cannot be achieve, always provide more than 50% of the total required ventilation at the under eave and the remainder at the upper portion of the roof.

Owens Corning's Limited Warranty on Roofing Shingles is valid within the terms and conditions stated in the written warranty when PALISADE™ Synthetic underlayment is used provided the requirements above are met. Owens Corning's warranty does not cover workmanship or application, only manufacturing defects in the shingles. Owens Corning is not responsible for the performance of Synthetic Underlayment. Synthetic Underlayment Manufacturers are responsible for the performance of their product. Any further questions regarding this issue please give me a call.

Sincerely,

A handwritten signature in cursive script that reads "Mel Sancrant".

Mel Sancrant  
Roofing Specialist Science & Technology  
Owens Corning

