

# Application Consideration In Focus Sheet

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## Important Information: Full Deck Coverage For Weather Watch®, Weather Watch® XT, StormGuard®, and UnderRoof™ Leak Barriers!

Considering full deck coverage with Weather Watch®, Weather Watch® XT, StormGuard®, or UnderRoof™ Leak Barriers under metal or tile roofs or fiberglass asphalt shingles?

The use of full deck coverage with Weather Watch®, Weather Watch® XT, StormGuard®, and UnderRoof™ Leak Barriers under fiberglass asphalt shingles or other roof coverings provides a major advantage in protecting the roof and building in severe wind and hail events. How? Since they are solidly adhered to the roof deck and self-seal around each nail, leak vulnerability is significantly reduced from causes including wind-driven rain and lost or damaged shingles.

However, to achieve this excellent protection, precautions must be taken.

Weather Watch®, Weather Watch® XT, StormGuard®, and UnderRoof™ Leak Barriers are vapor retarders. They prevent the migration of moisture-laden air that reaches the attic and closed ceiling (cathedral ceilings) from travelling through the roof system installed above them.

Typical household activities such as cooking, bathing, and humidifying the house generate significant quantities of moisture that generally make their way into the attic area. If the moisture becomes trapped there because of insufficient ventilation, problems can develop. Therefore, full deck coverage with Leak Barriers may result in moisture-related problems with the roof deck and the structural roof support in the attic. Proper **moisture control must be used in the attic** (or space below the roof deck) in the building when these products are installed over an entire roof deck.

Specifically, excess moisture in the roof deck and attic area can result in:

- Deck movement, causing picture framing that can be seen through shingles
- Shingle splitting and cracking
- Nail back out
- Mold and mildew growth
- Insect infestation
- Rotting of the deck and structural supports
- Stained and damaged ceilings
- Wet insulation that has reduced insulation value
- Ice in the attic and subsequent water damage when it melts

### Precautions

If a Weather Watch®, Weather Watch® XT, StormGuard®, or UnderRoof™ Leak Barrier is to be installed to provide full deck coverage, a design professional must address the potential for moisture entrapment, excessive moisture build up, and condensation. In designing a proper moisture control system, many factors, including building use and moisture sources, as well as expected inside and outside temperatures, and relative humidities must be taken into consideration.

Moisture control solutions may include, but are not limited to use of:

- A continuous vapor barrier in the ceiling
- Soffit and ridge vents
- Gable vents
- Power vents

**Precautionary Notes:** Due to the added tack in Weather Watch® XT, asphaltic residue may be tracked over exposed surface. Protect walking surfaces to avoid staining, especially in hot weather.

**Important Information:** These products may be suitable for use as a secondary water barrier for hurricane mitigation requirements. Contact Technical Services at 1-800-766-3411 for further information on this or any other specific code requirements.

**Weather Watch®, Weather Watch® XT, and StormGuard® Leak Barriers can also be left exposed for up to 60 days, and UnderRoof™ Leak Barriers can be left exposed for 180 days!\***

\*If necessary



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