

MonierLifetile®

News

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**MONIERLIFETILE'S INNOVATIVE ROOF COMPONENT OFFERING
PROVIDES SOLUTIONS FOR FLORIDA BUILDING CODE CHANGES**

IRVINE, Calif. (February 2008) – Extraordinary home damage incurred during the last several hurricane seasons precipitated code adjustments within the High Velocity Hurricane Zones in Florida. Answering the call for safer and more durable roof performance options, MonierLifetile expanded its extensive research and development program to increase the wind-resistance of MLT System Roofs.

After recently severe hurricane seasons, Wind Investigation Teams, which included MonierLifetile technical personnel, were allowed access to roofs in conjunction with organizations such as RICOWI and the Department of Energy. The teams found that trim tile attachment posed problems because it relied solely on mortar as the means of bonding the trim tile to the field tile. The new code changes dictated that the mortar-only attachment was no longer an option for Systems 1, 2 and 4 and design considerations were established to transfer the wind loads to the structure. This resulted in the requirement that wood or metal frames had to be attached directly to the roof deck and fastened according to specifically engineered wind load and wind zone requirements. The trim tile would then be mechanically fastened or adhesive-set to the required supports.

MonierLifetile component products answer the requirements created by the code changes. MonierLifetile has designed **Ridge Riser** brackets that incorporate a 2x2 wood frame providing these installation options by using a one-ridge system for all tile profiles. Due to the ribbed design of **Ribbed Metal Flashing** in concert with the Ridge Risers, the roof slope configuration is maintained providing a guarantee of consistent airflow and blockage free drainage. Additional versatility is provided by the unobstructed area between the deck and wood frame that allows for adequate venting of the attic space at the ridge for the inclusion of

MonierLifetile's **Figaroll or Zephyr Roll**®. These rolled tape components incorporate self-adhered butyl strips that can bond directly to the tile on either side of the ridge. In an effort to further increase the airflow under the tile to the ridge, MonierLifetile's **Vented Eave Riser** metal allows more ventilation than the traditional eave closures. These products may be incorporated with the use of MonierLifetile's **Zephyr Vent**®, individual, low/high profile, paintable vents configured to match each tile profile which provide up to 100 square inches of net free vent area per vent. **Zephyr Block** is a non-vented rolled tape that can be used as a weather block directly under the trim tile and is an ideal substitute for mortar. MonierLifetile's **Wakaflex**® is a flexible rolled tape that can be used as a substitute for lead and is excellent for use when emergency repairs are needed following storms. In addition to these components, the field and trim tile can be fastened using **QuikDrive**® screws.

Following the last major storm, Hurricane Wilma, inspection teams found that minimal repairs were needed on homes using the MonierLifetile components as compared to homes with mortar-only installation at the hip and ridge. One area of the roof still appeared vulnerable, resulting in the requirement in Dade and Broward counties (and deemed enforceable in other areas of the High Velocity Hurricane Zones) that the eave course for mechanically fastened systems (Systems 1 and 2) had to have a nose clip or foam adhesive to provide additional wind uplift resistance. MonierLifetile's **Wind Clips** are available to meet this code change and are available in various sizes to complement all tile profiles.

“MonierLifetile will continue to develop innovations to its line of wind-resistant performance concrete roof tile components for harsh weather zones, as well as add to our already robust component offering for all weather zones in the U.S.,” said Chris Doelle, vice president of marketing and strategy.

For more information about MonierLifetile and its concrete roof tile systems, visit www.monierlifetile.com or call 1-800-571-TILE (8453).

About MonierLifetile:

Based in Irvine, Calif., MonierLifetile is the leading U.S. manufacturer of premium, high quality concrete tile roof systems. MonierLifetile has 14 manufacturing plants and service offices throughout the U.S., and a plant in Guadalajara, Mexico.

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