

# Technical Bulletin – Class A Fire Rating

## ABOUT THIS BULLETIN

- Two Standards are widely used to test the fire rating of shingle roofs: ASTM E108, and UL790. These Standards are considered equivalent to each other. Each tests a shingle's performance in various fire scenarios: Spread of Flame, Intermittent Flame, and Burning Brand.
- The maximum fire rating a shingle can be rated to is Class A.
- All F-WAVE® REVIA® Roofing Shingles and F-WAVE® REVIA® **XTM** Roofing Shingles are Class A rated as long as they are installed as part of a Class A Roofing Assembly. See the **CLASS A RATING** section.

## CLASS A RATING

- For a **Class A** Roof Assembly, install F-WAVE® REVIA® Synthetic Roofing Shingles according to the latest installation manual available at [fwaverroofing.com/resources](http://fwaverroofing.com/resources), using the underlayments specified in **Table 1**. Install underlayments according to underlayment manufacturer's instructions.
- Always make sure the roof design and installation provides for proper ventilation to help avoid high humidity, condensation, and mold growth problems. A design professional must always address the potential for moisture entrapment, excessive moisture build-up, and condensation. Local building codes in your area should also be reviewed for ventilation requirements.
- F-WAVE requires that attic ventilation meets or exceeds minimum standards as defined by the relevant building codes and minimum property standards.
- Improper attic ventilation can cause moisture buildup in the attic, heat stress on the roofing materials, and ice damming. Those situations can lead to premature failure of roofing materials including the wood decking. To ensure proper attic ventilation, air must be allowed to circulate freely from attic eaves to peaks. As an alternative to standard attic ventilation, F-WAVE does allow for an unvented conditioned attic space utilizing spray foam insulation methods. Refer to the Approved Insulations technical bulletin at [fwaverroofing.com/resources](http://fwaverroofing.com/resources).

SHINGLE	UNDERLAYMENT	CLASS RATING
Designer Slate: American Blends	Double layer of GAF Tiger Paw™	A
Designer Slate: Estate Series	Double layer of GAF Tiger Paw™	A
Classic Slate	Double layer of GAF Tiger Paw™	A
Hand Split Shake	Double layer of GAF Tiger Paw™	A
XTM Designer Slate: American Blends	Single layer of GAF Tiger Paw™	A
XTM Designer Slate: Estate Series	Single layer of GAF Tiger Paw™	A
XTM Classic Slate	Single layer of GAF Tiger Paw™	A
XTM Hand Split Shake	Single layer of GAF Tiger Paw™	A

**TABLE 1 - Class A Underlayment Requirements**

*Installers should consult the most recent F-WAVE Installation Manuals at [fwaverroofing.com/resources](http://fwaverroofing.com/resources) to determine all recommended installation requirements. For additional support or questions, visit [fwaverroofing.com](http://fwaverroofing.com) or call F-WAVE Technical Support at **1-888-GO-FWAVE** (1-888-463- 9283). All product names, logos, and brands are property of FWAVE, LLC or their respective owners. All company, product and service names used are for identification purposes only. Use of these names, logos, and brands does not imply endorsement.*