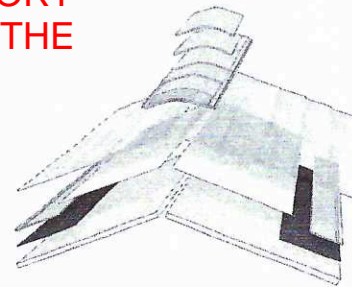


**FULL SIZED LEDGIBLE COLOR REPORT IS REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS**



# WeatherWatch® Mineral-Surfaced Leak Barrier

## Benefits:

- **Excellent protection** at the eaves and rakes, in valleys, and around chimneys and skylights, which guards against leaks caused by wind-driven rain, ice dams, backed-up gutters, and roof settling
- **Self-seals** around fasteners to help avoid leaks
- **Durable** fiberglass-reinforced construction
- **Traditional mineral surfacing** for use with asphalt shingle roof systems
- **Split-back release film** peels off in layers for fast installation
- **Eligible for up to a Lifetime limited warranty** when used on Lifetime Shingle roofs<sup>2</sup> and it's an eligible component of GAF residential enhanced warranties

## In the "North," most building codes require the use of leak barriers at the eaves:<sup>3</sup>

- Protection against ice dams is required by most building codes<sup>1</sup> at the eaves where the January average temperature is 25°F (-4°C) or lower or where there is a possibility of ice forming in the eaves — i.e., areas labeled "North"<sup>3</sup> (see map).
- Ice dams can still occur in areas where the average temperature is above 25°F (-4°C)
- In warmer/Southern climates, leak barriers provide critical protection against wind-driven rain

## Meets or exceeds the following requirements of ASTM D1970

Property	Method	Requirement
Thickness (mils)	D5147	Min. 40
Tensile strength MD (lbf/in)	D2523	Min. 25
Tensile strength CMD (lbf/in)	D2523	Min. 25
Elongation at break, modified bitumen Portion – MD and CMD (%)	D2523	Min. 10
Adhesion to plywood at 75°F (24°C) (lbf/ft-width)	D903	Min. 12
Adhesion to plywood at 40°F (4°C) (lbf/ft-width)	D903	Min. 2
Thermal stability (mm)	D1204	Max. 3
Low temperature flexibility -20°F (-29°C)	D1970	Pass
Tear resistance MD (lbf)	D4073	Min. 20
Tear resistance CMD (lbf)	D4073	Min. 20
Moisture vapor permeance (U.S. perms)	E96 A	Max 0.1
Sealability around nail	D1970	Pass
Waterproof integrity after low temperature flexibility	D1970	Pass
Waterproof integrity of lap seam	D1970	Pass

## Product Details:

**Nominal Specifications:**  
For use with asphalt shingles

### 1.5 square roll:<sup>\*</sup>

- 150 ft<sup>2</sup> (13.94 sq. m) per roll
- Roll width: 36" (.914 m)
- Roll length: 50' (15.24 m)

### 2.0 square roll:<sup>\*</sup>

- 200 ft<sup>2</sup> (18.58 sq. m) per roll
- Roll width: 36" (.914 m)
- Roll length: 66.7' (20.33 m)
- UV exposure: Up to 60 days, if necessary
- Shelf life: Best if used within 1 year from date of manufacture

<sup>\*</sup>Excludes laps

### Code Approvals:

- Meets or exceeds the performance criteria of ASTM D1970
- Miami-Dade County Product Control Approved
- State of Florida approved
- Component of a UL Listed ANSI/UL 790 Class A system when used with UL Class A shingles<sup>4</sup>
- ICC-ES Evaluation Report (ESR-1322)

<sup>1</sup> Check local building codes for requirements in your area.

<sup>2</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and any 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>3</sup> Source: International Building Code (IBC) and International Residential Code (IRC)

<sup>4</sup> Refer to UL Online Certification Directory for actual assemblies



To learn more about the Lifetime Roofing System visit [gaf.com/Lifetime](http://gaf.com/Lifetime)

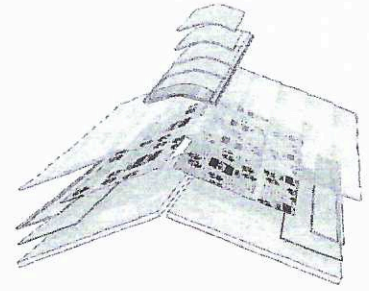


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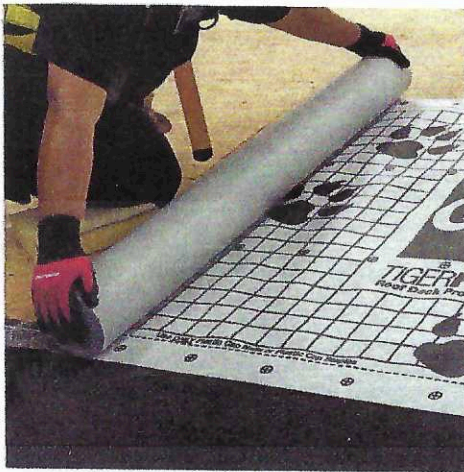


# Tiger Paw™ Premium Roof Deck Protection

## Benefits:

- Premium non-asphaltic, polypropylene construction for long-lasting protection
- Specially designed walking surface and anti-skid back coating help provide excellent walkability for installers
- Moisture-control design helps reduce damaging moisture on the roof deck unlike typical synthetic non-breathable underlayments<sup>1</sup>
- Provides at least 600% (i.e., 7 times) greater tear strength<sup>2</sup> and 147% higher nail-pull strength<sup>3</sup> than conventional #30 asphalt felt
- 48" (1.22 m) wide roll provides 33% more coverage per course than conventional 36" (914 mm) wide asphalt felts
- Light-gray surface is cooler to work on in hot weather than conventional black felts
- Eligible for up to a Lifetime limited warranty when used on Lifetime Shingle roofs<sup>4</sup> and it's an eligible component of GAF residential enhanced warranties

## Installation:



## Product Details:

### Nominal Specifications:

- For use with asphaltic shingles and may also be used with slate, wood, metal, or tile<sup>5</sup>
- Roll size: 10 squares (1,000 sq. ft. [92.9 m<sup>2</sup>]) (excludes laps)
  - Roll length: 250' (76.2 m)
  - Roll width: 48" (1.22 m)
  - Aprox. roll weight: 40 lb. (18 kg)
  - UV exposure: UV-stabilized polypropylene construction resists UV degradation for up to 180 days<sup>6</sup>

### Code Approvals and Standards:

- Meets or exceeds the physical requirements of ASTM D226 and D4869
- Miami-Dade County Product Control approved
- State of Florida approved
- ICC-ES ESR-3286
- CSA A123.3
- Component of a UL Listed ANSI/UL 790 Class A system when used with UL Class A shingles<sup>7</sup>
- Listed with Texas Department of Insurance as an acceptable alternate roof underlayment

<sup>1</sup> As per GAF ASTM D570-modified testing

<sup>2</sup> GAF trapezoidal tear strength testing per ASTM D4533

<sup>3</sup> GAF nail pull-through testing per ASTM D3462.

<sup>4</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence (or eligible second owner(s)) owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and any 3 qualifying GAF Accessories. See GAF Roofing System Limited Warranty for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the GAF Roofing System Limited Warranty, see the GAF Shingle & Accessory Limited Warranty.

<sup>5</sup> Contact GAF Technical Support at 1-800-766-3411 for acceptable non-asphaltic roofing systems and limited warranty coverage.

<sup>6</sup> 180-day UV resistance refers to standardized testing conducted to ensure the product will not physically degrade when exposed to UV. It is NOT related to withstanding water, snow, or wind. While Tiger Paw™ Roof Deck Protection is water resistant, it is NOT WATERPROOF. DO NOT USE Tiger Paw™ Roof Deck Protection as a temporary roof to protect property or possessions.

<sup>7</sup> Refer to UL Online Certification Directory for actual assemblies

Note: Always use plastic cap nails or staples with plastic caps to install Tiger Paw™ Roof Deck Protection. Do NOT use nails or staples without caps.



To learn more about the Lifetime Roofing System visit [gaf.com/Lifetime](http://gaf.com/Lifetime)

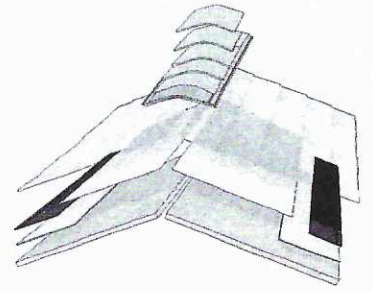


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# Pro-Start® Starter Strip Shingles

## Benefits:

- Properly positioned **Dura Grip™ Adhesive** helps to lock down the shingles at the eaves and rakes to reduce the risk of shingle blow-off
- **Pre-perforated design** is easy to use and install, with no cutting on the roof
- **No more wasted time (or material)** cutting your own starter strips
- **At least 50% more coverage** per bundle (vs. typical 3-tab strip shingles)
- **GAF offers increased wind coverage** on many GAF shingles when you use GAF starter strips.<sup>1</sup>
- **It's eligible for a Lifetime limited warranty** when installed on Lifetime Shingle roofs<sup>1</sup> and is an eligible component for GAF residential enhanced warranties.

## Installation:



Tears in half easily along perforation for easy installation



Installs at the eaves and rakes to help prevent shingle blow-off

## Product details:

For use with most standard English and metric-sized asphalt shingles

- Full sheet: 13" x 38" (330 x 965 mm)
- Half sheet: 6.5" x 38" (165 x 965 mm)

### Packaging

- **Bundle count:** 19 full sheets (38 individual pieces)

### Coverage

- Approx. 120.33 lineal feet (36.69 lm) (when split in half)

### Code Approvals:

- State of Florida Approved
- Miami-Dade County Product Control approved<sup>2</sup>
- ICC-ES ESR-1475
- Meets ASTM D3462<sup>3</sup>, D3018
- ASTM D3161 Class F
- UL Listed to ANSI/UL 790 Class A<sup>4</sup>

<sup>1</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence (or eligible second owner(s)) owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and any 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the GAF Roofing System Limited Warranty, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>2</sup> Excludes Shafter, CA product.

<sup>3</sup> Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture

<sup>4</sup> Refer to UL Online Certification Directory for actual assemblies



To learn more about the Lifetime Roofing System visit [gaf.com/Lifetime](http://gaf.com/Lifetime)



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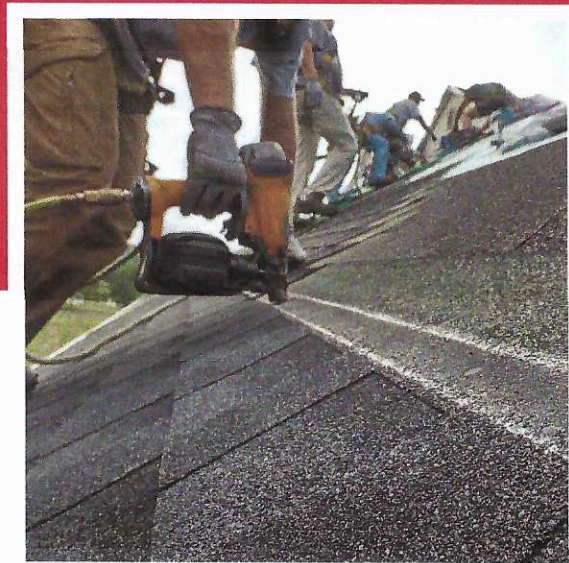
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# America's #1-selling shingle just got better — again

Now featuring a 25-Year Limited Warranty against blue-green algae discoloration\*



Now with GAF Time-Release Algae-Fighting Technology and LayerLock™ Technology, Timberline HDZ<sup>®</sup> offers everything you can expect from an architectural shingle roof, and more.\*

\* See reverse for details

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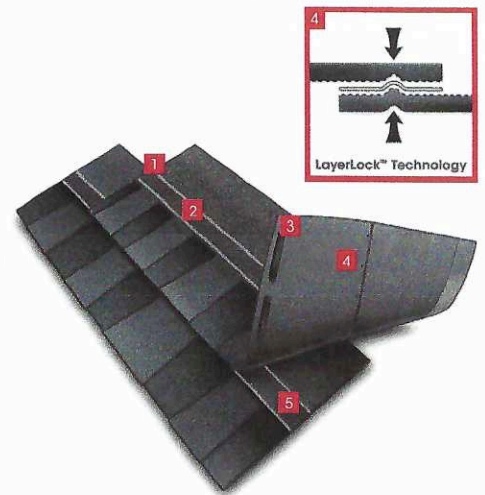


# Timberline HDZ® Shingles

## Benefits:

- **LayerLock™ Technology** mechanically fuses the common bond between overlapping shingle layers.
- The added strength at the common bond powers the **StrikeZone™** — The industry's widest nailing area.
- **Up to 99.9% nailing accuracy** — The StrikeZone™ nailing area is so easy to hit that a roofer placed 999 out of 1,000 nails correctly in our test.<sup>3</sup>
- **Up to 30% faster nail fastening** thanks to the industry's largest nail zone.<sup>3</sup>
- **Dura Grip™** sealant pairs with the smooth microgranule surface of the StrikeZone™ nailing area for fast tack. Then, an asphalt-to asphalt monolithic bond cures for durability, strength, and exceptional wind uplift performance.
- **WindProven™ Limited Wind Warranty<sup>2</sup>** — When installed with the required combination of GAF Accessories, Timberline HDZ® Shingles are eligible for an industry first: a wind warranty with no maximum wind speed limitation.
- **25-year StainGuard Plus™ Algae Protection Limited Warranty** against blue-green algae discoloration.<sup>1</sup> Proprietary GAF Time-Release Algae-Fighting Technology helps protect shingles from unsightly stains.

## Installation:



**The StrikeZone™ Nailing Area**  
The industry's largest nailing area for up to 99.9% nail placement accuracy.<sup>2</sup>

**LayerLock™ Technology**  
Proprietary technology mechanically fuses the common bond between overlapping shingle layers.

1. Alignment guide
2. StrikeZone™ Nailing Area
3. Dura Grip™ Adhesive
4. LayerLock™ Technology
5. Smooth microgranule surface



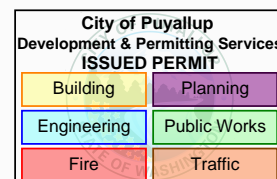
Visit [gaf.com/TimberlineHDZ](http://gaf.com/TimberlineHDZ)

<sup>1</sup> 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

<sup>2</sup> 15-year WindProven™ limited wind warranty on Timberline HDZ® Shingles requires the use of GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

<sup>3</sup> Results based on a study conducted by Home Innovation Research Labs, an independent research lab, comparing installation of Timberline HD® Shingles to Timberline HDZ® Shingles on a 16-square roof deck using standard 4" nail nailing pattern under controlled laboratory conditions. Actual results may vary.

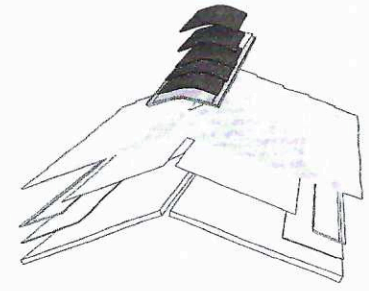
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# Z<sup>®</sup> Ridge Distinctive Ridge Cap Shingles



## Benefits:

- **Unique Z-Fold Design** provides the look of extra-thick wood shakes
- **Manufactured by GAF to complement and accent the color of your GAF Shingles** (unlike cut-up 3-tab strip shingles)
- **Machine-cut design** provides a cleaner finished look than cut-up 3-tab strip shingles
- **Eligible for up to a Lifetime limited warranty** when installed on Lifetime Shingle roofs.<sup>1</sup> They're also an eligible component of GAF residential enhanced warranties.
- **Pre-scored design** eliminates the need for time-consuming cuts
- **Micro Weave™ Core** provides a strong foundation that helps to resist cracking and splitting

## Installation:



Fold once



Fold twice



...and nail

## Product Details:

### Nominal Specifications:

- Available in the Southwest & West areas
- 5 5/8" exposure
- Approx. 10" wide
- Each bundle covers approximately 33.3 lineal ft.
- 72 pieces per bundle
- 3 bundles cover approximately 100 lineal ft.

### Code Approvals:

- UL Listed to ANSI/UL 790 Class A<sup>2</sup>
- ASTM D3018 Type 1
- ASTM 3161 Class A -
- ASTM D3462<sup>3</sup>
- ICC-ES ESR-1475

<sup>1</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and any 3 qualifying GAF Accessories. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the GAF Roofing System Limited Warranty, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>2</sup> Refer to UL Online Certification Directory for actual assemblies.

<sup>3</sup> Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.

Note: See [gaf.com/ridgecapavailability](http://gaf.com/ridgecapavailability) for regional availability



To learn more about the Lifetime Roofing System visit [gaf.com/Lifetime](http://gaf.com/Lifetime)



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