

Timberline[®] Wide Nail

Brochure

Updated: 02/09



***Your Best And Safest Choice...
Quality You Can Trust Since 1886!***



Expanded Fastening Options

For Timberline® Shingles!

(Applies to Timberline shingles that have three fastening lines, as shown here)

Optional "Upper Fastening Area" For

ACCEPTABLE INSTALLATION*

Maximum 12/12 Roof Pitch

Opcional "Area de Sujetacion Superior" para
INSTALACION
ACEPTABLE*

12/12 maximo pendiente de techos

AVOID FASTENING HERE!

(Vulnerable "Overlap Area" where the bottom layer of the shingle ends)

¡EVITE Sujetando Aqui!

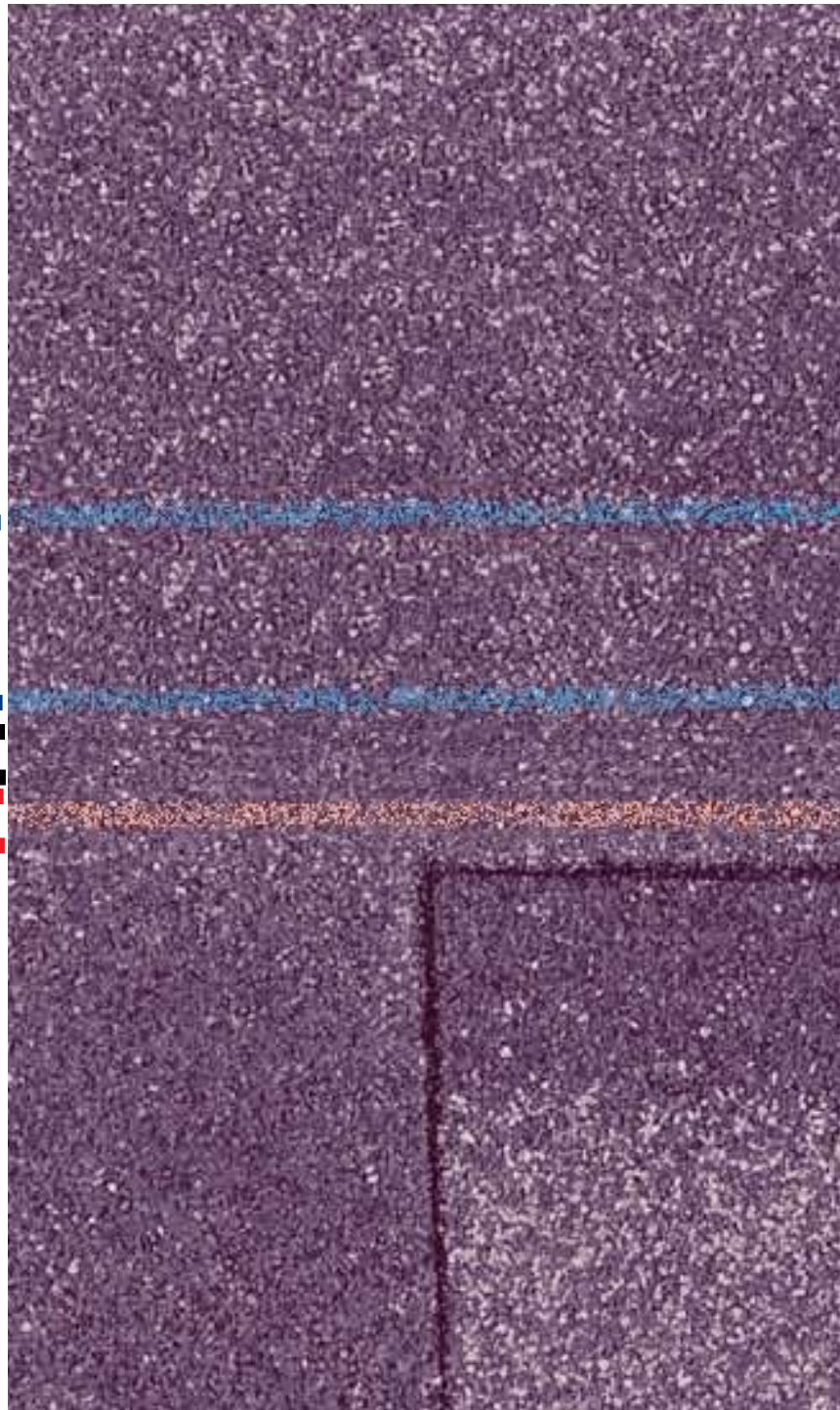
("Area de Traslapo" vulnerable donde se termina el refuerzo del shingle)

Use The "Traditional Fastening Line" For

BEST INSTALLATION*

On Any Roof Pitch

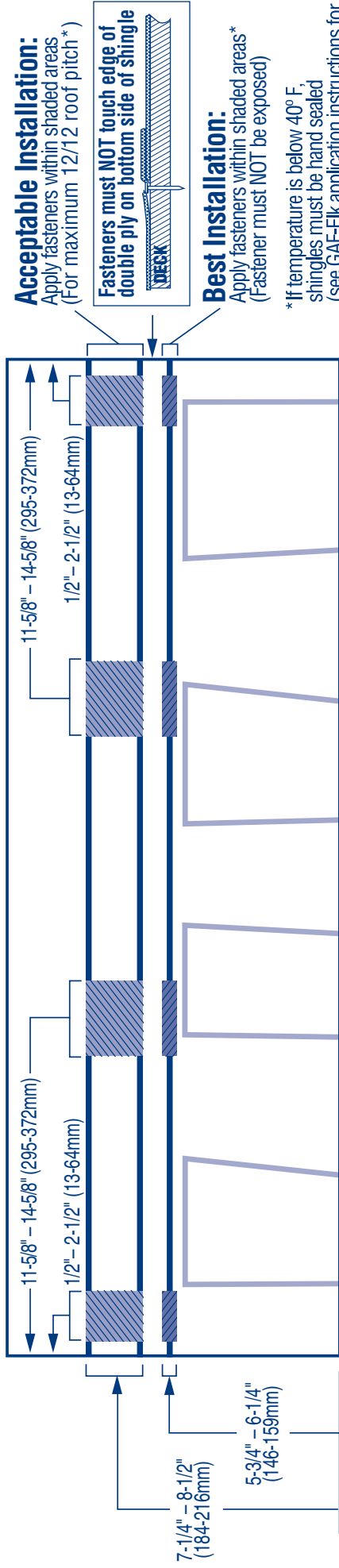
Use esta linea para la
MEJOR
INSTALACION*
Cualquier Pendiente



*If temperature is below 40°F, shingles must be hand sealed (see GAF-Elk application instructions for details).
Si la temperatura esta debajos de 40 grados de Farenheit, las tejas del techo deben de ser selladas a mano
(Favor de ver instrucciones de applicaiones de GAF-Elk para mas detalles)

Expanded Fastening Options For Timberline® Shingles
**For Faster, Easier, And
 Higher Quality Installation!**

(Applies to Timberline shingles that have three fastening lines, as shown here)



Require A Six Nail Fastening Pattern?
 Use the directions above with the following modification: Replace the inner two fastening locations with four fastening placements. Place two fasteners 8" from either end (+/- 1"), and place two additional fasteners 16" from either end (+/- 1").
 NOTE: It is always correct to use the application instructions on the shingle wrapper. However, for the most up to date approvals and application visit www.gaf.com



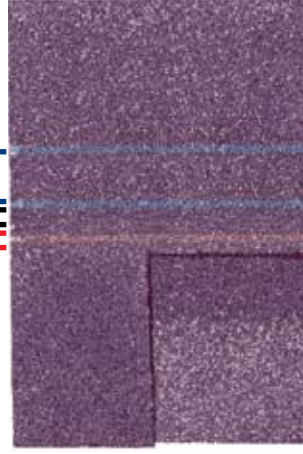
*Your Best And Safest Choice...
 Quality You Can Trust Since 1886!*

Questions? Visit www.gaf.com for complete application instructions

Separating Myths From Reality About Nailing GAF Timberline® Shingles

(pertains to product with 3 nailing lines, as pictured here)

Upper Fastening Area
Overlap Area
Traditional Fastening Line



Myth #1: “High” nailing (or stapling) results in shingle blow-offs

Reality: Wrong! UL997 testing on Timberline shingles shows that blow-offs are typically a problem **only if the self-seal has not yet engaged**; results are poorest when the shingles have been nailed in the Overlap Area.

Proof: Wind Uplift Test* Results, *Prior To Sealing*

	Where Fastened		
	Traditional Fastening Line	Overlap Area	Upper Fastening Area
Tab lift occurs at...	60 mph	45 mph	45 mph
Does shingle tearing occur?	No (tested up to 110 mph)	Yes, at 90 mph	Yes, at 110 mph
Does blow-off occur?	No (tested up to 110 mph)**	Yes, at 110 mph	No (tested up to 110 mph)**

*Tested under controlled laboratory conditions

**Tabs lift, but shingle does not blow off

Myth #2: High nailing (or stapling) leads to backer slippage

Reality: Wrong! Testing of Timberline shingles on roofs with less than 12/12 pitch shows that **fastening position does NOT tend to affect backer slippage** (this is largely due to the special, high-strength laminating adhesive used on Timberline shingles; results on other shingle brands may be different.)

Proof: Backer Slippage Test Results

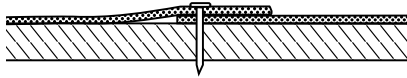
	Where Fastened					
	Traditional Fastening Line		Overlap Area		Upper Fastening Area	
	Pre-Self Seal	Post-Self Seal	Pre-Self Seal	Post-Self Seal	Pre-Self Seal	Post-Self Seal
Results at <12/12 pitch	Pass	Pass	Pass	Pass	Pass	Pass

Myth #3: High nailing (or stapling) can encourage water infiltration

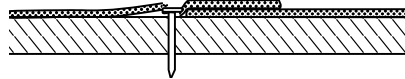
Reality: It depends. Water infiltration *can* occur if **the nails are applied in the Overlap Area**, because the Overlap Area is prone to tearing if the nails are overdriven (which is often the case in nail gun installations).

Proof:

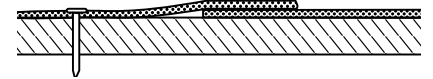
Fastening on the Traditional Nailing Line:
Both layers secured; no leakage



Fastening in the Overlap Area:
Can result in shingle tearing & leakage, which is excluded from shingle warranty



Fastening in the “Upper Fastening Area”
Holds shingle in place until self-seal engages; provides acceptable results in most instances



Myth #4: Horizontal nail location must be exact for proper shingle performance

Reality: Wrong! GAF-Elk has *always* allowed flexibility in the horizontal placement of fasteners, and years of field experience prove that it does not affect performance.

*If temperature is below 40°F, shingles must be hand sealed (see GAF-Elk application instructions for details).

Conclusions And Recommendations:

- **Fastening on the Traditional Fastening Line...** Always your best and safest choice
- **Fastening in the Upper Fastening Area...** Acceptable for maximum 12/12 pitches*
- **Fastening in the Overlap Area...** should ALWAYS be avoided to reduce the risk of blow-off, backer slippage, and water infiltration!

