



We
protect
what
matters
most™

To: GAF Residential Sales, GAF Contractors, Field Services, Design Services, CARE
From: Residential Consumer Services
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Proper Shingle Storage

Is Proper Shingle Storage Important?

YES. Proper shingle storage is essential. Some of the common effects of improperly stored shingles include:

- **Bundle distortion:** Shingles become distorted in the bundle and do not lie flat after installation.
- **Sticking:** Excessive heat and/or pressure can cause the shingles to stick together in the bundles.
- **Laminate adhesive squeeze out:** Weighted pressure can cause the adhesive between the laminated layers to squeeze out.
- **General Damage:** Damage caused by storage, such as stacking pallets too closely together, may impact the shingles' appearance and in some cases performance. Such damage is not covered under GAF limited warranties.

What Are Some Suggestions To Properly Store Shingles?

GAF recommends systematically rotating all asphaltic shingle stock so that the material that has been stored the longest will be the first to be moved out (FIFO). It is also recommended to store products that group manufacturing dates as closely together as possible; this improves product aesthetics and performance upon installation.

Ideally, store shingles in a cool dry place. If asphalt-roofing materials are stored outdoors for extended periods of time, the materials should be placed on a raised platform or pallets so they are not in contact with the ground. In addition, cover the roofing materials with a light colored, vented plastic sheet or "breathable" type covers, such as waterproof tarpaulins, to protect from weather and moisture.

Refer to the table on the following page for proper shingle pallet stacking by product type.

What Could Happen If Good FIFO Practices Are Not Followed?

Possible issues that could happen in the field include:

- **Color variation:** An inconsistent or non-uniform appearance may be visible on a roof or layout.
- **Staining:** Discoloration of the granules from asphalt oils releasing over time.
- **Bundle distortion:** Caused by improper stacking (stacking too high, not using slip sheets where needed, etc.) or extended periods of storage.
- **Reduced packaging quality:** This may include wrapper discoloration, barcode scannability, pallet integrity, etc.
- **Decreased sealant performance**

Proper Shingle Pallet Stacking by Product Type

Product	Single Stack	Double Stack*	Triple Stack*
Timberline HDZ®	✓	✓	
Timberline® NS	✓	✓	
Timberline UHDZ®	✓	✓	
Timberline® AS II	✓		
Timberline Solar™	✓	✓	
Royal Sovereign®	✓	✓	
Camelot® II	✓	✓	
Woodland®	✓	✓	
Grand Sequoia®	✓	✓	
Grand Sequoia® AS	✓	✓	
Slateline®	✓	✓	
TimberCrest™	✓	✓	
TimberTex®	✓	✓	
Ridglass®	✓	✓	✓
Seal-A-Ridge®	✓	✓	✓
Seal-A-Ridge® AS	✓	✓	
Z® Ridge	✓	✓	✓
Pro-Start®	✓	✓	✓**
WeatherBlocker™	✓	✓	
StarterMatch®	✓	✓	✓

* **Slip-sheets are strongly recommended.** If double/triple stacked pallets are necessary, it is recommended that racks or bins be used to prevent the weight of the bundles on the upper pallets from bearing down on the bundles below. Slip-sheets of a minimum 1/2" (13 mm) plywood slip board or 7/16" (11.1 mm) OSB, or double full face pallets, are also acceptable.

****Shafter Only**

***What If Damaged
Shingles Are
Found***

Roofing installers are strongly encouraged to visually inspect all material before installation. If damaged materials are delivered to a job site, you should notify GAF immediately. There is no coverage under any GAF warranty for costs associated with replacement of visibly damaged material.

Flooded Materials

GAF considers asphalt shingles that have been submerged and/or subjected to flood waters as damaged goods. Such shingles should not be installed and will not be eligible for coverage under any GAF warranty.

Based on GAF's experience, it is highly likely that the field performance of asphalt shingles that have been submerged and/or subjected to flood waters will be significantly compromised in areas including but not limited to: granule shedding, sealant bonding and wind resistance, and blistering. Additionally, due to the possibility of biological contaminants in the flood water, there could also be health issues related to handling contaminated asphalt shingles. For the stated reasons, GAF recommends destroying any asphalt shingles that have been submerged and/or exposed to flood waters.

Questions?

GAF Residential Consumer Services Can Assist You with these and other questions you may have. Residential Consumer Services can be contacted at 877-423-7663 or TechnicalQuestions@gaf.com. The GAF website is a great resource for just about any question you may have or for additional information you may require. Please visit www.gaf.com to find the latest information on our products and their installation.

Important: This document supersedes any prior GAF Technical Advisory Bulletins on this topic. Please always check www.gaf.com to make sure you have the most up to date information.