

Technical Information Sheet # 278

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To Whom It May Concern:

This Technical Information Sheet is to provide guidance and recommendations on reusing existing CertainTeed shingles for roof repairs. It will also provide our recommendations when attempting repairs using Metric and English (Standard) size shingles on a single roof plane.

CertainTeed shingles are engineered and tested to deliver optimal performance when installed as a new roofing system. Reusing shingles that have already been installed poses several challenges that can compromise the effectiveness and durability of the shingles. Specifically, we would like to highlight the following reasons why CertainTeed does not recommend the re-use of previously installed shingles:

1. **Degradation of Sealant Bonds:** Removal of CertainTeed shingles can disrupt the mature sealant bond established by the factory-applied sealant. Manual fracturing of this sealant bond can lead to damage of the back-coating or top-coating of the shingles, which can impair their ability to adhere properly upon reinstallation.
2. **Unprotected Penetrations:** During the removal process, fasteners used to secure the shingles will be extracted, leaving unprotected penetrations in the roof deck, protective underlayment, and the shingles themselves. This can introduce vulnerabilities that may lead to leaks or further damage.
3. **Natural Oxidation:** Over time, shingles are subjected to environmental exposure, which causes natural oxidation of the asphalt coating. This oxidation reduces the shingles' flexibility, making them more prone to cracking and less adaptable to the stresses of removal and reinstallation.

Given these considerations, the re-use of CertainTeed shingles for roof repairs is likely to reduce their effective lifespan and overall performance. Our shingles are designed for a single, secure installation to ensure the best possible protection for the roof system. For these reasons, CertainTeed does not recommend reusing previously installed CertainTeed shingles. We recommend using new shingles to ensure the integrity and longevity of the roofing system.

Additionally, CertainTeed does not recommend mixing English (Standard) size shingles with Metric size shingles on the same roof plane. The differing widths, exposures, and sealant locations can cause alignment issues and compromise wind warranty coverage and water shedding capabilities.

We hope you will find this information to be helpful.

Technical Services Department

CertainTeed Roofing

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