

TJI® JOISTS WITH FLAK JACKET® PROTECTION OVERVIEW OF SOLUTIONS



TOP COAT SOLUTION

- This option is the quickest way to remediate affected basements and it preserves the existing fire protection. Once begun, it takes about a week to complete the top coat solution in unfinished basements.
- The latex paint used to apply the top coat is water-based and contains no heavy metals. It includes compounds that react with formaldehyde to permanently change it from a gas to an inert non-formaldehyde solid.
- Weyerhaeuser is providing a transferrable lifetime warranty on this solution in addition to the original warranty on the TJI Joists.
- Post-remediation air-sample analysis conducted by independent third-party laboratories demonstrate results below the World Health Organization guideline of 0.08 parts per million.

COATING REMOVAL SOLUTION

- This option requires more specialized equipment and labor than the top coat solution. Once begun, this option will take about 4 weeks to complete in unfinished basements.
- The process involves removal of most of the Flak Jacket protection coating using mechanical methods, such as dry-ice, scraping, sanding and micro-planing.
- Once the coating is removed, the joists may need to be painted with the top coat (see above) to address residual formaldehyde emissions. The warranty for this option is the same as it is for the top coat option.
- Because this option removes the original fire protection, the basement ceiling may need additional measures, such as drywall, to meet fire code requirements.

REPLACEMENT SOLUTION

- This option involves removing most of the affected joists and replacing them with new joists. It is best suited for houses in early stages of construction.
- If this option is chosen for homes in later stages of construction, the process is much more complicated and will require extra time and steps to properly complete, such as obtaining appropriate permitting, submitting revised plans to building departments, and hiring an engineer of record.
- For some homes, the replacement option may not be feasible at all.

TJI® JOISTS WITH FLAK JACKET® PROTECTION SOLUTION COMPARISON



| Solution Characteristic | Top Coat Solution | Coating Removal Solution | Replacement Solution |
|--|--------------------------------------|--|---|
| Speed from Start to Finish | ~1 week (in unfinished basements) | ~4 weeks (in unfinished basements) | Varies |
| Meets Fire Code | Yes | Requires additional measures, such as drywall | Requires additional measures, such as drywall |
| Original Warranty for TJI® Joists | Lifetime Transferrable | Lifetime Transferrable | Only if TJI® Joists are used in replacement |
| Additional Warranty for Top Coat Solution | Lifetime Transferrable | Lifetime Transferrable (top coat is applied after coating removal) | Not required |
| Level of Complexity to Implement | Low | Medium | High |