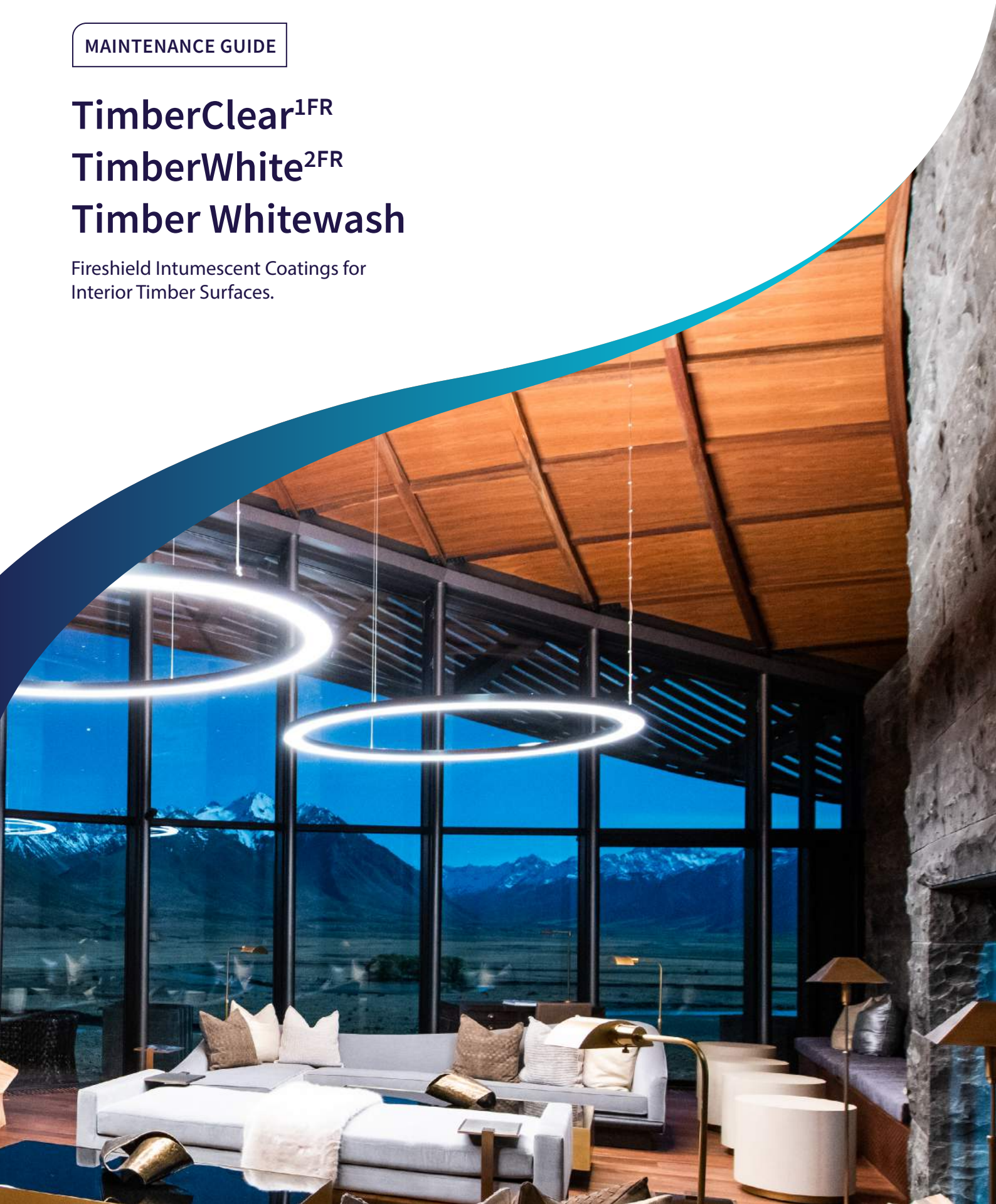




MAINTENANCE GUIDE

TimberClear^{1FR} TimberWhite^{2FR} Timber Whitewash

Fireshield Intumescent Coatings for
Interior Timber Surfaces.



Index

1. Introduction	3
2. Initial Precautions	3
3. Coating Maintenance	4
4. Minor Defects	5
5. Major Damage	5

This information has been prepared in good faith on the basis of information and material available at the date of publication without any independent verification. Fireshield does not guarantee or warrant the accuracy, reliability or completeness in this information nor its usefulness in achieving any purpose. Fireshield will not be liable for any loss, damage, cost or expense incurred or arising by reason of any person using or relying on information in this guide.

1. INTRODUCTION

Fireshield® offers three different coating systems for the protection of wood-based substrate surfaces to provide a compliant Group Surface Rating:

The Fireshield timber intumescent systems can resist minor contact with moisture, impact and abrasion; however, excessive wear or moisture contact may damage the system and if so, require inspection and possible remediation. Leave a copy of this Maintenance Guide with the Main Contractor or Client for future reference on site.

This document is a guide for the maintenance of the Fireshield timber systems and is divided into two main sections:

- A. **MINOR** damage to the coating system that does not affect compliance and the repair is optional.
- B. **MAJOR** damage to the coating system that does affect compliance and must be remediated immediately.

Fireshield Timberclear^{1FR}

Fireshield Timberclear^{1FR} is a clear, waterborne, halogen free intumescent coating designed for use on interior timber surfaces. Timberclear^{1FR} basecoat must be sealed with Timberclear Topcoat Matt or Low Sheen to complete the overall fire protection coating system.

Fireshield TimberWhite^{2FR}

Fireshield TimberWhite^{2FR} is a waterborne, halogen free intumescent coating with a matt white finish designed for use on interior timber surfaces. Fireshield TimberWhite^{2FR} can be top coated with a Fireshield approved top coat for protective or decorative reasons.

Fireshield Timber Whitewash

Fireshield Timber Whitewash is a waterborne, halogen free intumescent coating with a whitewash finish designed for use on interior timber surfaces. Fireshield Timber Whitewash can be top coated with a Fireshield approved clear top coat for protective reasons

All Fireshield timber coating systems are for internal application only to provide a surface rating to internal timber wall and ceiling linings. The product should not be used in areas or in service where it could be exposed to high humidity or prolonged contact with moisture. Do not use on exterior timber surfaces.

2. INITIAL PRECAUTIONS

Immediately after the final coat of the Fireshield timber intumescent system, it can take up to three weeks (21 days) to fully harden depending on the environmental conditions, during that period ensure that:

1. The system remains dry and free from water and relative humidity over 75%.
2. Do not clean or introduce detergents or water to the coating surface.
3. There should be no use of adhesives or other installations that may interfere with the coated surface.
4. Ensure that other trades are aware of 1-3 above to avoid damage during the final project site clean.

3. COATING MAINTENANCE

Routine visual inspection of the Fireshield timber intumescent systems helps to ensure that the product will perform in actual building fire conditions.

The system is typically specified and installed in areas exposed to view, because of this, the timber wall or ceiling linings will be prone to high amounts of foot traffic and physical contact.

Identify all areas throughout the building that have the Fireshield timber intumescent system installed, Fireshield labels will be installed in the local switchboard serving the coated area and near the installation indicating the system installed, by whom and the date of installation.

Frequency of Inspections:

- | | |
|---------------------|--|
| New Zealand: | A minimum once every 12 months or more frequently if required in accordance with Local Council requirements. |
| Australia: | A minimum once every 12 months in accordance with the Codemark Certificate of Conformity RM30071-rv1 or more frequently as required in accordance with Local Council requirements. |

The inspections are to be carried out by a Fireshield Accredited Applicator or a suitably qualified and Experienced Practitioner with a full understanding of the Fireshield coating systems.

The inspections can be as part of the annual Essential Services Inspection, Building Warrant of Fitness, Specified Systems Inspection or as a standalone inspection.

SURFACE CLEANING

Fireshield timber intumescent systems do not require regular maintenance if undamaged. During the life cycle of the coating, the surface may need cleaning, to avoid damaging the coating during cleaning or maintenance:

- Clean and dry one area at a time.
- Do not use:
 - Vinegar based cleaners.
 - Citrus (lemon) based cleaners.
 - Window cleaner.
 - Paint remover or other industrial abrasive cleaners.
- Do not allow aggressive floor cleaners used on tiles or carpeted areas to come into contact with the coated surfaces. In case of accidental contact, immediately rinse and dry.
- Avoid cleaning in direct sunlight or temperatures too hot or too cold.

To remove dirt, grease, food, minor scuffs or marks on the coating surface:

1. Use potable warm water with non-abrasive mild detergents.
2. Apply with a cloth to the affected area and wipe clean.
3. Dry immediately after cleaning, do not allow water to dry on the surface.

- *Avoid excessive rubbing and over-cleaning, do not scour.*

A. MINOR DEFECTS AND DAMAGE:

Minor visual imperfections or marks that do not affect continued compliance can be left as is, or repaired if desired, these include but are not limited to:

1. Cloudy finish. (for example, can be caused by incorrect environmental conditions during application and curing, humidity or moisture entering the system during application and curing)
2. Soft scuff or polish marks to surface coating (for example caused by human impact)

MINOR COATING REPAIRS:

Minor visual imperfections or marks that do not affect continued compliance but are repaired.

1. Fireshield Timberclear^{1FR}

1. TimberClear Top Coat may be very lightly sanded with super fine sandpaper (400 + > grit) to remove light surface damage or marks.
2. Be sure not to sand down the topcoat to expose the TimberClear^{1FR} base coat as this will affect compliance.
3. Overcoat with an additional coat of Fireshield TimberClear Topcoat (use the same sheen level). It may be necessary to Top Coat the entire panel or batten to avoid 'wet lines' where the new coating and existing coating overlap.

2. Fireshield TimberWhite^{2FR} and Timber Whitewash

TimberWhite^{2FR} and Timber Whitewash systems that do not have a protective top coat applied cannot be sanded for repair without requiring an additional coat of the applied system for continued compliance.

1. TimberWhite^{2FR} and Timber Whitewash systems that have a protective top coat applied; the topcoat may be very lightly sanded with super fine sandpaper (400 + > grit) to remove light surface damage or marks.
2. Be sure not to sand down the topcoat to expose the TimberWhite^{2FR} and Timber Whitewash base coat as this will affect compliance.
3. Overcoat with an additional coat of the same topcoat. It may be necessary to topcoat the entire panel or batten to avoid 'wet lines' where the new coating and existing coating overlap, consult the topcoat manufacturer for further repair options specific to that coating.

B. MAJOR DEFECTS AND DAMAGE

Non-acceptable surface conditions for continued compliance, remediation of the damaged coating **MUST** be done for continued compliance; these include but are not limited to:

1. Dents, scratched, gouges, chips or holes in the coating.
2. Delamination of coatings.
3. Flaking, peeling or blistered coatings.

All non-acceptable surface conditions for compliance require immediate remedial work to be carried out by a Fireshield Accredited Applicator in accordance with the Fireshield Technical Data Sheet, Application Instructions and Material Safety Data

MAJOR COATING REPAIRS:

Major defects and damage that affect continued compliance must be repaired immediately.

1. Sand the damaged timber surface and remove the Fireshield timber intumescent system to at least 5cm away from the damaged area.
 2. Clean the sanded surface to remove grease and dust.
 3. Fill any dents or gouges in the timber substrate as required with a water-based wood filler and allow to fully harden/dry.
 4. Apply the necessary amount of the Fireshield timber intumescent system in accordance with the Technical Data Sheet and product Application Instructions to the repaired area.
 5. Lightly sand the transition point between the repair and the undamaged flat surface.
 6. For TimberClear^{1FR} apply TimberClear Top Coat in accordance with the product Application Instructions, be sure to apply the same Matt or Low Sheen finish as previously installed.
 7. For TimberWhite^{2FR} and Timber Whitewash that were previously top coated; topcoat in accordance with the product manufacturers instructions, be sure to apply the same dry film thickness as previously installed for continued compliance.
 8. There may be a slight colour difference between the previously coated area and the new coating depending on the age of the initial installation.
 9. Complete the Fireshield Daily Application record sheet and provide the client with a copy.
-