

Timber Whitewash

Translucent Intumescent Coating For Interior Timber Surfaces



PRODUCT DESCRIPTION

Fireshield® Timber Whitewash is a waterborne, halogen free, intumescent coating with a semi-transparent finish, designed for use on interior surfaces of wood-based substrates.

CONDITIONS OF USE

Fireshield Timber Whitewash is an industrial product and can only be applied by Accredited Applicators.

This product provides the following Group Ratings for internal timber wall and ceiling surfaces:

New Zealand **Group 1-S**

Sequence of required coatings for **standard installation**:

- Fireshield Timber Whitewash basecoat.
- The wood based substrate moisture content must be no greater than 15%.
- Fireshield Timber Whitewash should not be used in areas where constant air humidity is over 75% or when a washable surface is required.
- All timber surfaces must be coated with the correct film thickness as scheduled to achieve the required Group Surface rating.
- Timbers that are prone to leeching or furring may benefit from a clear primer coat first.
- Compatibility with any previously applied product is checked before application of this product.

MAXIMUM FILM THICKNESS:

At +23°C and 50% relative humidity the recommended wet film thickness required will be achieved in one coat with an airless spray unit.

NOTE: Maximum film thickness may be reduced by poor air flow and environmental conditions differing from those listed above, which are a guide only. Contact Fireshield for more information.

CLEAR PRIMERS:

Fireshield Timber Whitewash can only be applied over Fireshield approved clear primers. For the Approved Clear Primers list go to www.fireshieldcoatings.com.

TOPCOATS:

Fireshield® Timber Whitewash is not able to be top coated.

LIMITATIONS:

- **For interior use only.**
- Do not use in external applications!
- Care should be taken to avoid overlapping the coating during application to achieve a uniform finish.
- The wood based substrate must be 8mm or thicker a density $\geq 338\text{kg/m}^3$.
- The Fireshield Timber Whitewash system will take 3 weeks (21 days) to fully cure.
- See the Fireshield® Timber Whitewash Maintenance document for full details of aftercare procedures.
- Fireshield Timber Whitewash should not be used in areas where constant air humidity is over 75% or when a washable surface is required.

TECHNICAL INFORMATION

STORAGE CONDITIONS:

Recommended storage conditions:

- Store at a temperature above +5°C and below +35°C
- Store indoors and undercover in temperate conditions.
- Store away from direct sunlight, do not expose to extreme heat.
- Do not allow to freeze.
- Keep containers closed when not in use.
- **Keep out of reach of children!**

SHELF LIFE:

12 months at +25°C if stored in original sealed containers under recommended storage conditions listed above.

SPECIFIC GRAVITY: 1.27 ±3%

NON-VOLATILE CONTENT: 65% ±2%

VISCOSITY: High viscosity

FLASH POINT: Non combustible

VOC: <20 grams/litre

COLOUR: Semi Transparent

PACKAGING: Weight 12.5 kg / Volume 9.8 litre approx.

MIXING: Mechanically mix. **DO NOT THIN!**

CLEAN UP: Warm potable, soapy water.

COMPLIANCE FILM THICKNESS: Group 1-S (NZ) the required minimum film thickness is in the following table:

DRY FILM	WET FILM	GRAMS/ m ²
160µm DFT	246µm WFT	312 grams

DRYING TIMES:

At a minimum air temperature of +23°C and relative air humidity of 50% the following drying times are applicable:

- 4 hours between coats of Timber Whitewash.
- 12 hours minimum before top coating with Fireshield approved clear top coat.
- **Do not overcoat if not dry!**

NOTE: Dry times may be lengthened by poor air flow and environmental conditions differing from those listed above, which are a guide only. Contact Fireshield for more information.

Application should not take place in conditions which are deteriorating, e.g. the temperature is falling or there is a risk of condensation forming.

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APPLICATION NOTES

The product must be applied in strict accordance with the Fireshield Application Instructions. In particular the applicator should ensure:

- The surface to be coated is completely clean and dry. Remove all dust, oil, grease, loose material or other contaminants.
- The product is occasionally stirred while using.
- Application occurs using suitable equipment for the substrate, working conditions and desired finish.

PRECAUTIONS:

The following precautions must be taken:

- Read the Fireshield Timber Whitewash Material Safety Data Sheet (MSDS) before application and have a copy available on site at all times.
- Read the Fireshield Application Instructions in full before application.
- All work involving the application and use of this product should be compliant with all relevant National Health, Work Safety & Environmental standards and regulations.
- Where conditions may require variation from the recommendations on this Product Data Sheet contact Fireshield for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Fireshield.

ENVIRONMENT:

During application and curing day or night ensure that:

- The air temperature is above +10°C.
- The relative air humidity level is below 75%.
- The area is well ventilated with constant air flow.

During application or curing protect from wetting/moisture/condensation and human impact.

APPLICATION METHOD:

AIRLESS SPRAY:

Airless spray with an inline heater gives the best result. (heater maximum temperature +35°C)

BRUSH:

Brush application only suitable for small areas or touch-up and may result in a textured finish. Care must be taken to achieve the required specified dry film thickness. Typically, 100-300 microns(µm) can be achieved.

ROLLER:

Roller application only suitable for small areas or touch-up and may result in a textured finish. Care must be taken to achieve the required specified dry film thickness. Typically, 100-300 µm can be achieved.

For full application instructions see the Fireshield Application instructions

MAINTENANCE:

The coating has the ability to resist minor impact and abrasion however, excessive wear or moisture contact may damage the coating and if so, require inspection and possible remediation.

The Timber Whitewash maintenance document is provided as guidance and is broken into two areas:

1. Minor damage to the coating system that does not affect compliance and the repair is optional.
2. Major damage to the coating system that does affect compliance and must be remediated immediately.

A copy of the Maintenance Guide is available from Fireshield and should be left with the Main Contractor or Client for future reference on site.

COMPLIANCE:

NEW ZEALAND:

Tested to EN13501-1:2010 and achieves Fire Class B-s1-d0. This is recognised as equivalent to Group 1-S under the NZBC Clause 3.4(a) providing compliance with NZBC C/AS1-C/AS7.

SUPPLIER:

AUSTRALIA

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NEW ZEALAND

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