

TimberClear Top Coat Matt & Low Sheen



Clear Top Coat for use over Fireshield Timber Intumescent Coatings

PRODUCT DESCRIPTION

Fireshield® TimberClear Top Coat Matt & Low Sheen is a clear, Bio-Solvent based top coat, designed for use over Fireshield TimberClear^{1FR} intumescent paint.

Fireshield TimberClear Top Coat is available in two gloss levels:

1. Matt (7 GU at 60°)
2. Low Sheen (20 GU at 60°)

CONDITIONS OF USE:

- Fireshield® TimberClear Top Coat provides a sealing coat to protect Fireshield® TimberClear^{1FR}.
- Fireshield® TimberClear Top Coat is an industrial product and can only be applied by Registered Applicators.

Sequence of required coatings for standard C1 interior zone installation:

1. Fireshield® TimberClear^{1FR}
2. Fireshield® TimberClear Top Coat Matt or Low Sheen.

For sequence of required coatings for C2 interior zone (e.g. where constant relative humidity over 75%) installation contact Fireshield prior to specification.

MAXIMUM FILM THICKNESS:

At +23°C and 50% relative humidity the recommended minimum 70µm wet film thickness required will be achieved in one coat with an airless sprayer.

NOTE: Fireshield® TimberClear Top Coat Matt or Low Sheen is designed to seal and protect the Fireshield® TimberClear^{1FR} intumescent coating from impact and moisture attack. Ensure a full and uniform coat is applied to a minimum 70µm wet film thickness to the entire area.

UNDERCOATS:

Fireshield® TimberClear^{1FR} is the only undercoat compatible with Fireshield® TimberClear Top Coat.

TOPCOATS:

Fireshield® TimberClear Top Coat is not compatible with any other top coat system.

LIMITATIONS:

- **For interior use only.**
- Do not use in external applications!
- Can only be used in conjunction with TimberClear^{1FR} basecoat.

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: 1.05 ± 1%

NON-VOLATILE CONTENT: 44%

FLASH POINT: 20°C

VOC: <480 gram/litre

COLOUR: Clear

PACKAGING: Volume 5 litre approx. / weight 5.3 kg

MIXING: Mechanically mix and occasionally stir during application.

THINNING: If required use white spirits **maximum 10%**, increase WFT to accordingly.

CLEAN UP: Tools with white spirits.

THEORETICAL COVERAGE: Approx. 14.7m² / litre at 30µm DFT.

COMPLIANCE FILM THICKNESS

Fireshield TimberClear Top Coat required minimum film thicknesses are in the following table to achieve Group 1-S compliance:

DRY FILM	WET FILM	GRAMS/ m ²
30µm DFT	70µm WFT	72 grams

DRYING TIMES:

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

- 2 hours to touch dry: and
- 8 hours minimum dry to handle.

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.

Read the Fireshield Maintenance Guide upon completing the coating installation for full curing and after care procedures.

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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 TimberClear Top Coat Material Safety Data Sheet (MSDS) before application and have a copy available on site at all times. Pay particular attention to Hazard Statements and PPOE requirements.
- 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.

APPLICATION 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.
- The coating is protected from wetting/moisture/condensation and human impact.

APPLICATION METHOD:

AIRLESS SPRAY:

Airless spray gives the best result. Ensure the airless spray unit is clean and free from contamination.

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.

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.

MAINTENANCE:

Fireshield TimberClear Top Coat is a compulsory part of the Timberclear^{1FR} system. It has the ability to 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.

The TimberClear^{1FR} (Fireshield TimberClear Top Coat) 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:



Tested to EN13501-1:2010 and achieves Fire Class B-s1-d0 as part of the TimberClear^{1FR} system. 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:

Fireshield

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