

TimberClear™

Clear Timber Intumescent Coating - Achieves Group 1-S Surface Finish

Tested to Group 1-S, ISO 5660 Part 1 and Part 2



Technical Data Sheet



Unit 8 / 15-23 Kumulla Road
Caringbah NSW 2229, AUSTRALIA
PO BOX 707, Caringbah NSW 1495 AUSTRALIA
+612 9531 8591 (International Callers)

P 1300 50 BOSS
F 1300 60 BOSS
W bossfire.com.au
E info@bossfire.com.au

KEY BENEFITS

- TimberClear is a halogen free, waterborne intumescent base coat.
- Clear coating that foams into a thick layer when exposed to high temperatures derived from flames or intensive heat radiation from fire.
- The porous layer of foam effectively extinguishes the flow of heat to the treated surface.
- Has been tested in New Zealand and achieves Group 1-S, according to ISO 5660 Part 1 and Part 2.

INTRODUCTION

BOSS Fire TimberClear is a halogen free, waterborne intumescent base coat. TimberClear is an intumescent clear coating that foams into a thick layer when exposed to high temperatures derived from flames or intensive heat radiation from fire. The porous layer of foam effectively extinguishes the flow of heat to the treated surface.

TimberClear is used to prevent spread of fire on internal wall and ceiling linings made of solid wood or engineered timbers. TimberClear is also used for fire protection of structural timber works.

APPLICATION

Ensure substrate is compliant, clean and clear of oils and dirt and moisture content is below 15% and will remain that way. Do not apply in conditions colder than 10°C or humidity above 80%. If required, stain with an approved water-based product like Resene Colorwood.

Warm the intumescent, stir while warming until liquid temperature is 30°C, 40°C max. **DO NOT THIN!** Use heated inline airless spray applicator for best results. Spray 1 coat of TimberClear (water-based) Intumescent at 230µm wet film thickness = 300g/m². Record appropriate number of measurements. Allow to dry for 48hrs, warm dehumidified environments will accelerate this process.

Spray 1 coat of TimberClear TOPcoat at 60µm wet film thickness.

Complete producer statement (PS3) and forward to main contractor or BCA and Resene Fireshield. NOTE: TimberClear can be brushed or rolled on small or linear substrates, provided product viscosity and application conditions can be met. Airless spray for best finish.



DRYING TIME

Dry times at +23°C and humidity of 50% are as follows:

- 8 hrs between coats of TimberClear intumescent.
- 48 hrs before topcoating with TimberClear TOPcoat.

PROTECTIVE MEASURES

Avoid contact with skin and eyes. Keep out of reach of children.

Personal Safety Equipment: At handling where prolonged or repeated direct contact cannot be excluded, protective gloves should be worn. Protective glasses are recommended when there is a risk of splashes.

To avoid other types of direct contact suitable protective clothing is recommended. See further Safety Data Sheet.

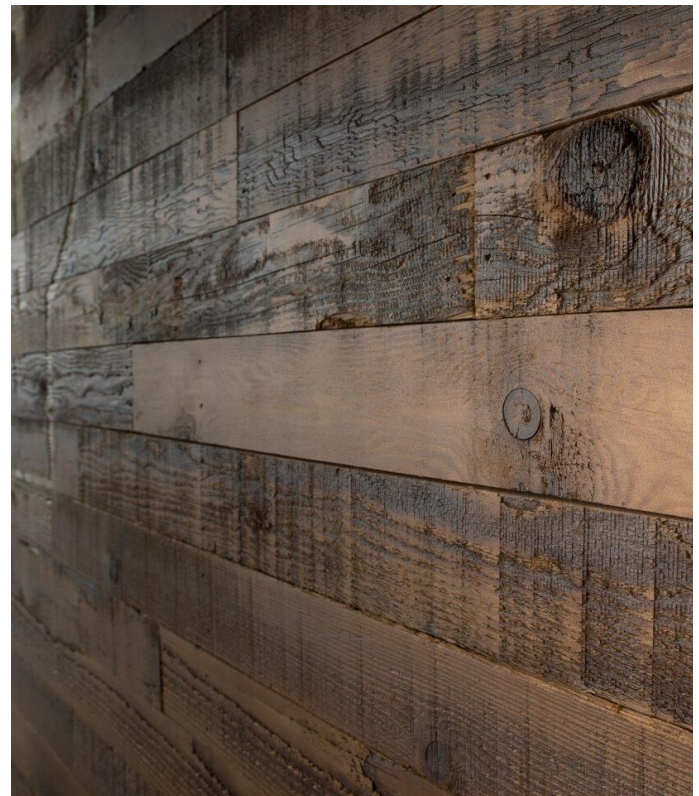
TimberWhite should be well stirred before application. Tools can be cleaned in water.

ADDITIONAL DATA

Viscosity:	High Viscosity
Flash Point:	Non-Combustile
Non.vol.contnt:	79%
Thickness:	230µm wet film thickness will use 300g/m ² and dry to 160µm DF
Storage:	12 months life-span. Do not store on concrete slabs and maintain minimum 5°C storage temperature.

APPROVALS

TimberClear has been tested in New Zealand and acheives Group 1-S, according to ISO 5660 Part 1 and Part 2. The product must be applied strictly in accordance with the application instructions, including accurate measurements and documentation.



MUST BE PROTECTED AGAINST FROST

Wet paint quantity (g/m ²)	Wet film (µm)	Dry film (µm)
300	230	150

HEALTH AND SAFETY

To learn more about the safe handling of TimberClear™, please contact Boss Fire team.

LIMITATION

BOSS Fire & Safety Pty Ltd has provided the above technical information in good faith and to the best of its knowledge. This information was deemed to be correct at the time of publication. Should any data come to BOSS Fire & Safety's attention relating to the fire resistance or performance of the product described, BOSS Fire & Safety reserve the right to amend this report.

BOSS Fire & Safety strive to constantly improve and develop products so this information may change without notice

FURTHER TECHNICAL INFORMATION

For additional technical information on the performance of TimberClear™ or other BOSS products please contact our Technical Services team on: info@bossfire.com.au or 1300 502 677

Phone	1300 502 677
Fax	1300 602 677
Direct	+612 9531 8591
Email	info@bossfire.com.au
Web	bossfire.com.au