

Resene Fireguard

pigmented
intumescent
coating

Resene Fireguard is a pigmented intumescent coating for passive fire protection to suitably primed interior wall and ceiling substrates. It is designed to provide a fire protective effect while maintaining the ease of application and aesthetic appeal of a good quality decorative coating.

interior

Typical uses

Any surface where fire protection is required along with a decorative paint finish.

Physical properties

Vehicle type	Co-polymer
Pigmentation	Titanium dioxide, carbonifics, spumifics, catalysts
Solvent	Water
Finish	Flat
Colour	White (not designed to be tinted)
Dry time (minimum)	1 hour at 18°C (varies with wet film build)
Recoat time (minimum)	2 hours when rolling
Primer required	Yes, dependent on substrate
Theoretical coverage	7 sq. metres per litre at 83 microns DFT
Usual no. of coats	Airless spray 1, roller 2
Abrasion resistance	Good when topcoated
Heat resistance	Intumescent
Thinning and clean up	Water
VOC	3 grams per litre (see Resene VOC Summary)

Performance and limitations

Performance	<ol style="list-style-type: none">1. See the Resene Fire Ratings schedule (see www.resene.com/fire) for substrate Group ratings.2. For passive fire protection of timber, plywood and reconstituted timber wall paneling.3. Can be left un-topcoated as a white ceiling finish. For walls topcoat with Resene SpaceCote Low Sheen (see Data Sheet D311).4. Airless spray application is recommended for broadwall areas.
Limitations	<ol style="list-style-type: none">1. Do not apply at temperatures below 10°C or when it is liable to drop below 10°C during the drying period.2. Not recommended for exterior application or for damp or wet areas.3. Not tested as an intumescent for steel substrates.

Fireguard pigmented intumescent coating

Surface preparation

All surfaces

Clean down thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease, mould and form oils. If moss and mould are present, treat with Resene Moss & Mould Killer (see [Data Sheet D80](#)).

Thoroughly sand to a smooth surface and radius sharp edges to a round profile and then prime with the recommended substrate primer or primer given in the fire test report.

Repaints

Fire test Grouping does not apply to repaints unless a Fire Engineer or Local Authority has approved such a use.

Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.

Application

For best results, apply by airless spray. Brush application is only recommended for cutting-in and touch up. Rolling will result in an orange peel finish.

Airless spray:

Use a LTX 519 tip and a unit capable of delivering more than 2 litres per minute. Apply in multiple passes to achieve a uniform wet film thickness of 279-305 microns (this equates to a dry film thickness of 162-177 microns).

Rolling:

Apply two coats at 7 square metres per litre using a Resene Non.15 Hi-Solids sleeve.

Touch up must ensure that the required dry film thickness to achieve the required Group rating is achieved.

Precautions

1. Only needed for timber, plywood and timber composite substrates.
2. Group rating can be achieved only if the Resene Fireguard system is applied to achieve the minimum dry film thicknesses of each and every coat.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products. View Data Sheets online at www.resene.com/datasheets. If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.

In Australia
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or email advice@resene.com.au

Resene
the paint the professionals use

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