Resene Fireguard

intumescent coating

Resene Fireguard is an intumescent coating designed to improve the early fire hazard of various inflammable substrates. Designed to provide this protective effect while maintaining the ease of application and aesthetic appeal of a good quality decorative coating.

interior

Typical uses

Any surface where the early fire hazard needs upgrading.

Surfaces are categorised with regards to fire hazard into the following categories:

Group 1		<12mm. Plywood, hardboard, fibreboard
Group 2		>12mm. As for Group 1
Group 3		Paperfaced gypsum board
Group 4		Concrete, fibre reinforced cement board, gypsum plasterboard

Resene Fireguard has been tested over 12mm particleboard, customwood and hardboard (<12mm) and has early fire hazard ratings over these substrates. Resene Fireguard is not normally needed for Group 3 and 4 substrates.

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.

Physical properties

Vehicle type	Co-polymer
Pigmentation	Titanium dioxide, carbonifics, spumifics, catalysts
Solvent	Water
Finish	Flat
Colour	White
Dry time (minimum)	30 minutes at 18°C
Recoat time (minimum)	2 hours
Primer required	Yes, on powdery surfaces
Theoretical coverage	7 sq. metres per litre
Usual no. of coats	2
Abrasion resistance	Good
Chemical resistance	Fair
Heat resistance	Intumescent
Thinning and clean up	Water
VOC	3 grams per litre (see Resene VOC Summary)

Performance and limitations

Performance

Substrate	S.O.F.	S.D.	Report No.
Group 1	0	4	02045*
Group 1	0	4	04047/ 04048**

* One coat Resene Quick Dry (see Data Sheet D45) at 12 square metres per litre and two coats of Resene Fireguard at 7 square metres per litre.

** One coat Resene Quick Dry (see Data Sheet D45) at 12 square metres per litre, two coats of Resene Fireguard at 7 square metres per litre and two coats of Resene SpaceCote Low Sheen (see Data Sheet D311) at 12 square metres per litre.

Limitations

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 damp areas.
3. Early fire hazard ratings only apply if Resene Fireguard is applied over correctly primed new substrates at the appropriate specified spreading rates as in the test reports.
4. Particle board that uses Cedar in its furnish may produce unacceptable spot staining.

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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).

New customwood, hardboard, particleboard

Thoroughly sand to a smooth finish. Sand any sharp edges to a round profile.

Repaints

EFH ratings will not apply for repaints unless a 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

Apply by brush, speed brush, lambswool roller or spray.

Customwood, Pinex, particle board, similar composite wood products (Group 1 and 2 substrates)

Apply two coats of Resene Fireguard allowing at least two hours between coats.

Precautions

1. Two full coats at 7 square metres per litre are needed to achieve the early fire hazard indices quoted.
2. Only needed for group 1 and 2 substrates.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products. 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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the paint the professionals use

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