

FIREPRO

FIRE PROTECTIVE BUILDING PRODUCTS

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CI/SfB

C646 DATASHEET - AUG08

Product specifications can change. Contact us to ensure you have our latest datasheet

FIREPRO C646 FLAMECOAT

DESCRIPTION

Recommended for interior use only.

An intumescent coating designed to protect specific substrates from heat and fire.

Forms a thick cellular layer which insulates against heat transfer, delays ignition of flame and contains smoke emission.

PURPOSE

Flamecoat will provide readily combustible timber construction and panelling with a fire resistant surface for the duration of most accidental fires. It is not intended to withstand intense and prolonged heat from chemical or industrial fires, but will prevent the spread of flame and destruction of substrates in a substantial way in many domestic, commercial or light industrial situations. It will also limit and contain the effect of major industrial fires away from the intense centre.

EARLY FIRE HAZARD INDICES

When tested to AS1530 Part 3, Flamecoat, with 2 coats @ 5M²/Litre per coat, gave the following Early Fire Hazard Indices:

Flamecoat	Spread of Flame Index (0 to 10)	Smoke Developed Index (0 to 10)
On Tri-Board	"0"	"4"
On Plywood with Topseal	"0"	"5"
Over Particle Board	"0"	"5"
Previously painted	"0"	"5"

COLOUR

White, accepts universal tinters up to 100ml per 4 litre. Matt finish.

APPLICATION AREAS

Timber, Particle board, fibre boards, plywood.

FEATURES

Water borne, non-toxic, flat latex paint.

PERFORMANCE DATA

Provides conventional latex finish and wear internally. Adheres strongly to a wide range of building lining materials.

APPLICATION NOTES

PRIMING - Primer seal substrate as for conventional latex paint.

MIXING - Hand stir.

THINNING - Not normally recommended.

CLEANER - Water.

APPLICATION METHODS - As for conventional flat latex paint. Brush, short nap roller or airless spray.

- Airless Spray: Graco Ultra 1000 or equivalent.
- Graco tip size: 0.017" - 0.027".
- Line/Gun Filter: 60 mesh.
- Pressure: 2000 - 2500 psi.

Note: Whilst spread of flame on timber surfaces painted with Flamecoat is substantially eliminated during the early stages of fire, flame can penetrate and spread in areas left unpainted. It is essential to coat surfaces thoroughly, penetrating into cracks, joints or fissures. Fill or seal major surface gaps.

COVERAGE - As performance is related to film thickness it is important to avoid over-spreading. Apply two coats at nominal 5m² per litre per coat.

TOPSEAL - Firepro Flameseal Interior for interior areas of high humidity or high wear.

STORAGE - Store in cool, dry conditions.

PACK SIZE - 4 litre and 10 litre.

SAFETY - Non toxic. Use adequate ventilation during application.

SPECIFICATION - Normally two coats of Firepro Flamecoat are required to provide an effective intumescent barrier - this may be achieved in one application by airless spray.

Interior - Suitably prime porous or resinous surfaces - otherwise apply two coats of Firepro Flamecoat at 5m² per litre. Apply Firepro Flameseal Interior when a particular gloss level is desired and to protect Flamecoat in areas of high humidity such as kitchens, bathrooms, etc.

Drying Time - Touch dry in 30 minutes. Allow a minimum of 4 hours before overcoating depending upon temperature and ventilation.

Note: Flamecoat significantly reduces the flammability of timber. It does not convert combustible substrates into fire rated materials.

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